

# Product Datasheet

## Sonic Hedgehog/Shh Antibody [DyLight 488] AF445K

Unit Size: 0.1 ml

Store at 4C in the dark.

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**AF445K**

Sonic Hedgehog/Shh Antibody [DyLight 488]

| Product Information         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unit Size                   | 0.1 ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Concentration               | Please see the vial label for concentration. If unlisted please contact technical services.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Storage                     | Store at 4C in the dark.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Clonality                   | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Preservative                | 0.05% Sodium Azide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Isotype                     | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Conjugate                   | DyLight 488                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Purity                      | Antigen Affinity-purified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Buffer                      | 50mM Sodium Borate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Product Description         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Host                        | Goat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Gene ID                     | 6469                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Gene Symbol                 | SHH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Species                     | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Specificity/Sensitivity     | Detects mouse Shh C-terminal peptide in direct ELISAs and Western blots. In these formats, less than 5% cross-reactivity with recombinant mouse (rm) Dhh C-terminal peptide is observed and less than 1% cross-reactivity with a 6X histidine-tagged rmShh N-terminal peptide (amino acids 25-198) is observed. Detects human and mouse Sonic Hedgehog protein in Western blots. Shh C-terminal peptide specific IgG was purified by first passing the goat sera over a mouse Shh N-terminal peptide affinity column. The unbound fraction from the mouse Shh N-terminal peptide affinity column was subsequently purified using a mouse Shh C-terminal peptide affinity column. |
| Immunogen                   | <i>E. coli</i> -derived recombinant mouse Sonic Hedgehog Cys25-Ser437 with a Lys122Arg substitution<br>Accession # Q62226                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Notes                       | DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Product Application Details |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Applications                | Western Blot, Immunohistochemistry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Recommended Dilutions       | Western Blot, Immunohistochemistry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |





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### **Products Related to AF445K**

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|                |                                              |
|----------------|----------------------------------------------|
| AB-108-CK      | Goat IgG Isotype Control [DyLight 488]       |
| NBP2-35265-5ug | Recombinant Human Sonic Hedgehog/Shh Protein |
| 314-BP-010     | BMP-4 [Unconjugated]                         |
| 464-SH-025     | Sonic Hedgehog/Shh [Unconjugated]            |

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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