

# Product Datasheet

## Kinesin 5B Antibody (KN-02) - BSA Free NB500-530

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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**NB500-530**

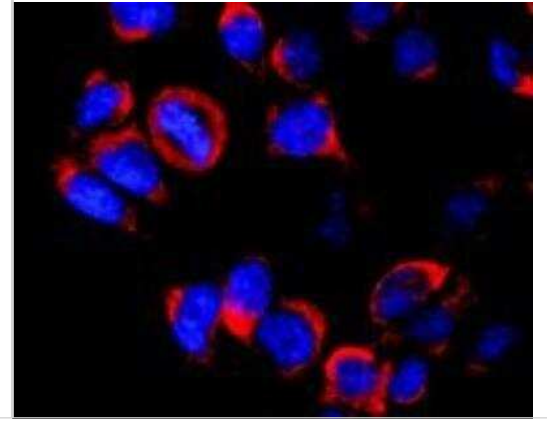
Kinesin 5B Antibody (KN-02) - BSA Free

| <b>Product Information</b>         |   |
|------------------------------------|---|
| <b>Unit Size</b>                   | 0.1 mg  |
| <b>Concentration</b>               | 1.0 mg/ml   |
| <b>Storage</b>                     | Store at 4C. Do not freeze.   |
| <b>Clonality</b>                   | Monoclonal  |
| <b>Clone</b>                       | KN-02   |
| <b>Preservative</b>                | 15mM Sodium Azide   |
| <b>Isotype</b>                     | IgM   |
| <b>Purity</b>                      | Multi-step  |
| <b>Buffer</b>                      | Tris buffered saline (TBS), pH 8.0  |
| <b>Product Description</b>         |   |
| <b>Description</b>                 | Novus Biologicals Mouse Kinesin 5B Antibody (KN-02) - BSA Free (NB500-530) is a monoclonal antibody validated for use in ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.  |
| <b>Host</b>                        | Mouse   |
| <b>Gene ID</b>                     | 3799  |
| <b>Gene Symbol</b>                 | KIF5B   |
| <b>Species</b>                     | Human, Mouse, Rat, Porcine  |
| <b>Reactivity Notes</b>            | Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.   |
| <b>Specificity/Sensitivity</b>     | The antibody Kinesin 5B recognizes heavy chain of conventional kinesin associated with vesicles and with lower affinity with denaturated molecule. Epitope is located in coiled-coil stalk domain. It stains Western blots of kinesin-enriched preparations. Epitope mapping (by limited proteolysis of partially purified porcine kinesin) followed by immunoblotting has revealed that antibodies KN-01, KN-02 and KN-03 react with different sets of fragments. The antibody KN-02 does not react with kinesin bound to taxol-stabilized microtubules. |
| <b>Immunogen</b>                   | Enriched fraction of porcine brain kinesin.   |
| <b>Product Application Details</b> |   |
| <b>Applications</b>                | Immunocytochemistry/ Immunofluorescence   |
| <b>Recommended Dilutions</b>       | Immunocytochemistry/ Immunofluorescence 1:10-1:2000   |



## Images

Immunocytochemistry/Immunofluorescence: Kinesin 5B Antibody (KN-02) [NB500-530] - Staining of vesicles (red) in RBL-2H3 rat basophilic leukemia cell line using anti-Kinesin (KN-02). Nuclei were stained with DAPI (blue).





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### **Products Related to NB500-530**

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|               |  |
|---------------|--|
| HAF007        | Goat anti-Mouse IgG Secondary Antibody [HRP]       |
| NB7539        | Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP] |
| NBP1-97007    | Mouse IgM Isotype Control                          |
| NBP2-58450PEP | Kinesin 5B Recombinant Protein Antigen             |

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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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