

# Product Datasheet

## Retinol Binding Protein RBP Antibody (SPM442) [Janelia Fluor® 669] NBP2-34410JF669

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-34410JF669**

Retinol Binding Protein RBP Antibody (SPM442) [Janelia Fluor® 669]

| <b>Product Information</b>         |  |
|------------------------------------|--|
| <b>Unit Size</b>                   | 0.1 ml   |
| <b>Concentration</b>               | Please see the vial label for concentration. If unlisted please contact technical services.  |
| <b>Storage</b>                     | Store at 4C in the dark.   |
| <b>Clonality</b>                   | Monoclonal   |
| <b>Clone</b>                       | SPM442   |
| <b>Preservative</b>                | 0.05% Sodium Azide   |
| <b>Isotype</b>                     | IgG1 Kappa   |
| <b>Conjugate</b>                   | Janelia Fluor 669  |
| <b>Purity</b>                      | Protein A or G purified  |
| <b>Buffer</b>                      | 50mM Sodium Borate   |
| <b>Product Description</b>         |  |
| <b>Host</b>                        | Mouse  |
| <b>Gene ID</b>                     | 5947   |
| <b>Gene Symbol</b>                 | RBP1   |
| <b>Species</b>                     | Human, Mouse, Rat, Goat, Monkey, Rabbit  |
| <b>Specificity/Sensitivity</b>     | Recognizes a protein of 21kDa-25kDa, identified as retinol binding protein (RBP). Its epitope localizes between aa 74-182 of human RBP. This monoclonal antibody recognizes reduced and carboxy-methylated RBP (RCM-RBP) as well as the circulatory RBP but not the native RBP, thereby suggesting that its epitope becomes accessible either on unfolding or upon binding of RBP to transthyretin (prealbumin). RBP is responsible for distributing retinol from the retinoid stores in the liver to the various target tissues. Once secreted into the blood with bound retinol, the vitamin carrier circulates complexed with transthyretin prior to vitamin delivery at the plasma membrane through a receptor-mediated mechanism. |
| <b>Immunogen</b>                   | Retinol binding protein purified from human plasma   |
| <b>Notes</b>                       | Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.  |
| <b>Product Application Details</b> |  |
| <b>Applications</b>                | Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin   |
| <b>Recommended Dilutions</b>       | Western Blot, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin   |
| <b>Application Notes</b>           | Optimal dilution of this antibody should be experimentally determined.   |





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### **Products Related to NBP2-34410JF669**

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|                 |  |
|-----------------|--|
| NBP1-72542-50ug | Recombinant Human Retinol Binding Protein RBP His Protein  |
| DRB400          | RBP4/Retinol-Binding Protein 4 [HRP]                       |
| NBP2-82524      | Human Retinol Binding Protein RBP ELISA Kit (Colorimetric) |
| NB200-106       | p19ARF/CDKN2A Antibody - BSA Free                          |

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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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