

# Product Datasheet

## Kinesin 5B Antibody (KN-02) [Alexa Fluor® 405] NB500-530AF405

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NB500-530AF405**

Kinesin 5B Antibody (KN-02) [Alexa Fluor® 405]

| <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>                   | KN-02   |
| <b>Preservative</b>            | 0.05% Sodium Azide  |
| <b>Isotype</b>                 | IgM   |
| <b>Conjugate</b>               | Alexa Fluor 405   |
| <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>                 | 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.   |

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| <b>Product Application Details</b> |  |
|------------------------------------|--|
| <b>Applications</b>                | Immunocytochemistry/Immunofluorescence |
| <b>Recommended Dilutions</b>       | Immunocytochemistry/Immunofluorescence |





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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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