



# KIF13B Polyclonal Antibody

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>                  | YP-Ab-03143                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Reactivity</b>                  | Human;Rat;Mouse;                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Applications</b>                | WB;IHC;IF;ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Gene Name</b>                   | KIF13B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Immunogen</b>                   | The antiserum was produced against synthesized peptide derived from human KIF13B. AA range:111-160                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Specificity</b>                 | KIF13B Polyclonal Antibody detects endogenous levels of KIF13B protein.                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Formulation</b>                 | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>                      | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Purification</b>                | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Dilution</b>                    | WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/5000.. IF 1:50-200                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Concentration</b>               | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Purity</b>                      | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Storage Stability</b>           | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Synonyms</b>                    | GAKIN;KIAA0639;kinesin family member 13B;KIF13B;Kinesin-like protein KIF13B;Kinesin-like protein GAKIN                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Observed Band</b>               | 202kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Calculated Molecular Weight</b> | 202kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Cell Pathway</b>                | Cytoplasm, cytoskeleton . Cell projection, axon . accumulates at the distal part of the microtubules in the tips of axons, but not of dendrites.                                                                                                                                                                                                                                                                                                                                            |
| <b>Tissue Specificity</b>          | Ubiquitous.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Function</b>                    | function:May be involved in reorganization of the cortical cytoskeleton. May be functionally important for the intracellular trafficking of MAGUKs and associated protein complexes.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the kinesin-like protein family.,similarity:Contains 1 CAP-Gly domain.,similarity:Contains 1 FHA domain.,similarity:Contains 1 kinesin-motor domain.,subunit:Binds to DLG1 and DLG4.,tissue specificity:Ubiquitous., |



## Background

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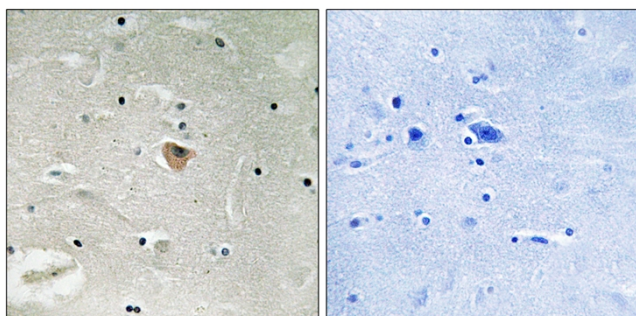
## matters needing attention

Avoid repeated freezing and thawing!

## Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Immunohistochemistry analysis of paraffin-embedded human brain, using KIF13B Antibody. The picture on the right is blocked with the synthesized peptide.