

# KIF3B Antibody (N-term) Blocking Peptide

Synthetic peptide Catalog # BP17242a

## **Specification**

## KIF3B Antibody (N-term) Blocking Peptide - Product Information

Primary Accession

015066

# KIF3B Antibody (N-term) Blocking Peptide - Additional Information

**Gene ID 9371** 

#### **Other Names**

Kinesin-like protein KIF3B, HH0048, Microtubule plus end-directed kinesin motor 3B, Kinesin-like protein KIF3B, N-terminally processed, KIF3B, KIAA0359

#### **Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

## **Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

#### **Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

## KIF3B Antibody (N-term) Blocking Peptide - Protein Information

Name KIF3B

Synonyms KIAA0359

#### **Function**

Microtubule-based molecular motor that transport intracellular cargos, such as vesicles, organelles and protein complexes. Uses ATP hydrolysis to generate force to bind and move along the microtubule (By similarity). Plays a role in cilia formation (PubMed:<a href="http://www.uniprot.org/citations/32386558" target="\_blank">32386558</a>). Involved in photoreceptor integrity and opsin trafficking in rod photoreceptors (PubMed:<a href="http://www.uniprot.org/citations/32386558" target="\_blank">32386558</a>). Transports vesicles containing N-methyl-D-aspartate (NMDA) receptor subunit GRIN2A into neuronal dendrites (By similarity).

#### **Cellular Location**

Cytoplasm, cytoskeleton. Cell projection, cilium {ECO:0000250|UniProtKB:Q61771}. Cell projection, dendritic spine {ECO:0000250|UniProtKB:Q61771}



## KIF3B Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

#### • Blocking Peptides

KIF3B Antibody (N-term) Blocking Peptide - Images

## KIF3B Antibody (N-term) Blocking Peptide - Background

The protein encoded by this gene acts as a heterodimerwith kinesin family member 3A to aid in chromosome movement duringmitosis and meiosis. The encoded protein is a plus end-directedmicrotubule motor and can interact with the SMC3 subunit of thecohesin complex. In addition, the encoded protein may be involved in the intracellular movement of membranous organelles. Thisprotein and kinesin family member 3A form the kinesin II subfamily of the kinesin superfamily.

## KIF3B Antibody (N-term) Blocking Peptide - References

Reed, A.A., et al. Am. J. Physiol. Renal Physiol. 298 (2), F365-F380 (2010) :Keil, R., et al. J. Cell. Sci. 122 (PT 8), 1174-1183 (2009) :Schonteich, E., et al. J. Cell. Sci. 121 (PT 22), 3824-3833 (2008) :Wu, Y., et al. Hum. Mol. Genet. 15(22):3280-3292(2006)Haraguchi, K., et al. J. Biol. Chem. 281(7):4094-4099(2006)