

**Kif5C-2 Antibody Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP12055a****Specification**

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**Kif5C-2 Antibody Blocking peptide - Product Information**Primary Accession [O60282](#)**Kif5C-2 Antibody Blocking peptide - Additional Information****Gene ID** 3800**Other Names**

Kinesin heavy chain isoform 5C, Kinesin heavy chain neuron-specific 2, KIF5C, KIAA0531, NKHC2

**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.

**Kif5C-2 Antibody Blocking peptide - Protein Information****Name** KIF5C**Synonyms** KIAA0531, NKHC2**Function**

Microtubule-associated force-producing protein that may play a role in organelle transport. Has ATPase activity (By similarity). Involved in synaptic transmission (PubMed:&lt;a href="http://www.uniprot.org/citations/24812067" target="\_blank"&gt;24812067&lt;/a&gt;). Mediates dendritic trafficking of mRNAs (By similarity). Required for anterograde axonal transportation of MAPK8IP3/JIP3 which is essential for MAPK8IP3/JIP3 function in axon elongation (By similarity).

**Cellular Location**

Cytoplasm, cytoskeleton. Cell projection, dendrite. Note=Abundant in distal regions of dendrites.

**Tissue Location**

Highest expression in brain, prostate and testis, and moderate expression in kidney, small intestine and ovary

**Kif5C-2 Antibody Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

#### **Kif5C-2 Antibody Blocking peptide - Images**

#### **Kif5C-2 Antibody Blocking peptide - Background**

Kinesin is a microtubule-associated force-producing protein that may play a role in organelle transport.

#### **Kif5C-2 Antibody Blocking peptide - References**

Rose, J. Phd, et al. Mol. Med. (2010) In press :Wang, X., et al. Cell 136(1):163-174(2009)Schafer, B., et al. Cell. Mol. Life Sci. 66(2):339-349(2009)Schafer, B., et al. Biochem. Biophys. Res. Commun. 375(2):179-183(2008)Cho, K.I., et al. Traffic 8(12):1722-1735(2007)