

KIF5C Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14507b**Specification**

KIF5C Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	O60282
Other Accession	P28738 , NP_004513.1
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	109495
Antigen Region	758-786

KIF5C Antibody (C-term) - Additional Information**Gene ID** 3800**Other Names**

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

Target/Specificity

This KIF5C antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 758-786 amino acids from the C-terminal region of human KIF5C.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

KIF5C Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

KIF5C Antibody (C-term) - 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:[24812067](#)). 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

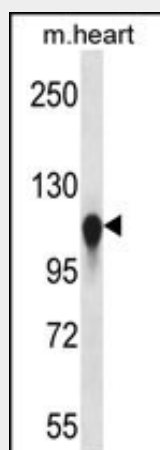
Highest expression in brain, prostate and testis, and moderate expression in kidney, small intestine and ovary

KIF5C Antibody (C-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KIF5C Antibody (C-term) - Images



KIF5C Antibody (C-term) (Cat. #AP14507b) western blot analysis in mouse heart tissue lysates (35ug/lane). This demonstrates the KIF5C antibody detected the KIF5C protein (arrow).

KIF5C Antibody (C-term) - Background

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

KIF5C Antibody (C-term) - 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)