

**KIF5A Antibody (C-Term)**  
Peptide-affinity purified goat antibody  
Catalog # AF2268a

**Specification**

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**KIF5A Antibody (C-Term) - Product Information**

Application	E
Primary Accession	<a href="#">O12840</a>
Other Accession	<a href="#">NP_004975.2</a> , <a href="#">3798</a>
Predicted	Human, Mouse, Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	117378

**KIF5A Antibody (C-Term) - Additional Information**

**Gene ID** 3798

**Other Names**

Kinesin heavy chain isoform 5A, Kinesin heavy chain neuron-specific 1, Neuronal kinesin heavy chain, NKHC, KIF5A, NKHC1

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

KIF5A Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

**KIF5A Antibody (C-Term) - Protein Information**

**Name** KIF5A

**Synonyms** NKHC1

**Function**

Microtubule-dependent motor required for slow axonal transport of neurofilament proteins (NFH, NFM and NFL). Can induce formation of neurite-like membrane protrusions in non-neuronal cells in a ZFYVE27-dependent manner. The ZFYVE27-KIF5A complex contributes to the vesicular transport of VAPA, VAPB, SURF4, RAB11A, RAB11B and RTN3 proteins in neurons. Required for anterograde axonal transportation of MAPK8IP3/JIP3 which is essential for MAPK8IP3/JIP3 function in axon

elongation.

**Cellular Location**

Cytoplasm, perinuclear region {ECO:0000250|UniProtKB:Q6QLM7}. Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:Q6QLM7}. Perikaryon {ECO:0000250|UniProtKB:Q6QLM7}.  
Note=Concentrated in the cell body of the neurons, particularly in the perinuclear region {ECO:0000250|UniProtKB:Q6QLM7}

**Tissue Location**

Distributed throughout the CNS but is highly enriched in subsets of neurons

**KIF5A 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](#)

**KIF5A Antibody (C-Term) - Images****KIF5A Antibody (C-Term) - References**

A kinesin heavy chain (KIF5A) mutation in hereditary spastic paraplegia (SPG10). Reid E, Kloos M, Ashley-Koch A, Hughes L, Bevan S, Svenson IK, Graham FL, Gaskell PC, Dearlove A, Pericak-Vance MA, Rubinsztein DC, Marchuk DA. Am J Hum Genet. 2002 Nov;71(5):1189-94. PMID: 12355402