



[Go to Product page](#)

Datasheet for ABIN6990779
anti-KIF5A antibody (AA 330-380)

Overview

Quantity:	0.1 mg
Target:	KIF5A
Binding Specificity:	AA 330-380
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KIF5A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Immunogen:	KIF5 antibody was raised against a 20 amino acid synthetic peptide from near the center of human KIF5. The immunogen is located within amino acids 330 - 380 of KIF5.
Isotype:	IgG
Specificity:	KIF5 has at least three known isoforms, this antibody recognizes all three.
Purification:	KIF5 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	KIF5A
Alternative Name:	KIF5 (KIF5A Products)
Background:	KIF5 Antibody: The kinesin superfamily proteins (KIFs) are microtubule-dependent motors that

Target Details

slide along microtubules and transport cellular organelles and mRNA to different parts of the cell. In neurons, KIF5 performs this role in an anterograde fashion from the neuronal cell body to axonal or dendritic terminals. KIF5 was initially differentiated from the ubiquitously expressed kinesin as being highly enriched in subsets of neurons and selectively concentrated in the cell body. Mutations in one of the three isoforms of KIF5 (KIF5A) are thought to be involved in hereditary spastic paraplegias.

Molecular Weight: Predicted: 105, 114 kDa

Observed: 118 kDa

Gene ID: 3798

UniProt: [Q12840](#)

Application Details

Application Notes: KIF5 antibody can be used for detection of KIF5 by Western blot at 0.5 - 1 μ g/mL. Antibody can also be used for immunocytochemistry starting at 5 μ g/mL. For immunofluorescence start at 20 μ g/mL.

Antibody validated: Western Blot in human samples, Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: KIF5 Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: KIF5 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should

not be exposed to prolonged high temperatures.