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## Datasheet for ABIN6990778 **anti-KIF5A antibody (C-Term)**

### Overview

Quantity:	0.1 mg
Target:	KIF5A
Binding Specificity:	AA 880-930, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KIF5A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF)

### Product Details

Immunogen:	KIF5 antibody was raised against a 20 amino acid synthetic peptide from near the carboxy terminus of human KIF5. The immunogen is located within amino acids 880 - 930 of KIF5.
Isotype:	IgG
Specificity:	At least three isoforms of KIF5 are known to exist, this antibody will recognize all three isoforms.
Purification:	KIF5 Antibody is affinity chromatography purified via peptide column.

### Target Details

Target:	KIF5A
Alternative Name:	KIF5 ( <a href="#">KIF5A Products</a> )

## Target Details

**Background:** KIF5 Antibody: The kinesin superfamily proteins (KIFs) are microtubule-dependent motors that 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 isoforms of KIF5 (KIF5A) are thought to be involved in hereditary spastic paraplegias.

**Molecular Weight:** Predicted: 114 kDa

Observed: 116 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 µg/mL. Antibody can also be used for immunocytochemistry starting at 5 µg/mL and Immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL.

Antibody validated: Western Blot in human samples, Immunohistochemistry in mouse samples, Immunocytochemistry in human samples and Immunofluorescence in human and mouse 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

## Handling

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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.