



## Anti-KIF5A Antibody

**Alternative Names:** NKHC, ALS25, MY050, NEIMY, SPG10, D12S1889

**Catalogue Number:** AB19-10081-100ug

**Size:** 100 µg

### Background Information

Kinesin heavy chain isoform 5A (KIF5A) is an ATPase-active molecular motor protein expressed in neurons that is the heavy chain A of kinesin, A motor protein involved in motility functions within neuron. KIF5A is involved in microtubule-dependent axonal transport of neurofilament proteins (NFH, NFM and NFL). It also contributes to the transport of other proteins in neurons including proteins essential for axon elongation. KIF5A consists of an N-terminal motor domain, a stalk domain and a C-terminal binding domain. The KIF5A gene has been identified as a causative gene in hereditary spastic paraplegia (HSP), Charcot-Marie-Tooth (CMT) type 2 (CMT2) and amyotrophic lateral sclerosis (ALS).

### Product Information

<b>Antibody Type:</b>	Polyclonal	<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG	<b>Species Reactivity:</b>	Human, Mouse, Rat
<b>Immunogen:</b>	Partial length recombinant human KIF5A from the C-terminal region		
<b>Format:</b>	100 µg in 100 µl PBS with 0.02% sodium azide, 50% glycerol, pH7.3.		
<b>Storage Conditions:</b>	Store at -20°C. Avoid freeze / thaw cycles.		
<b>Applications:</b>	WB IHC WB 1:1000-3000. IHC 1:50-200.		

### Additional Information

<b>Subcellular location:</b>	Cytoplasm cytoskeleton perinuclear region	<b>MW:</b>	117kDa (Intended as a general guide and does not allow for all isoforms and species variations)
<b>Gene ID</b>	3798	<b>Uniprot ID:</b>	Q12840