

# KIF5B Rabbit mAb

Catalog # AP75653

## Product Information

Application	WB, IHC-P, IHC-F, IP, ICC
Primary Accession	<a href="#">P33176</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	109685

## Additional Information

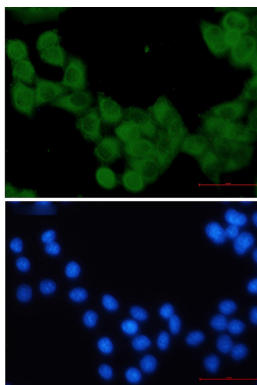
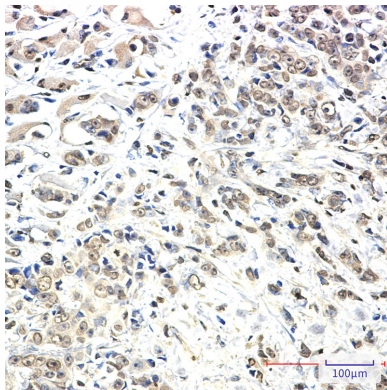
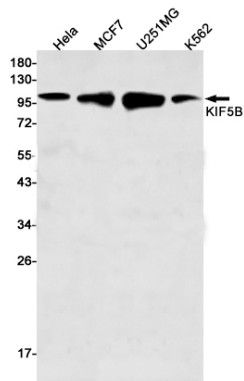
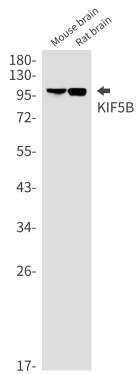
Gene ID	3799
Other Names	KIF5B
Dilution	WB~~1/500-1/1000 IHC-P~~N/A IHC-F~~N/A IP~~1/20 ICC~~N/A
Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Protein Information

Name	KIF5B ( <a href="#">HGNC:6324</a> )
Synonyms	KNS, KNS1
Function	Microtubule-dependent motor required for normal distribution of mitochondria and lysosomes. Can induce formation of neurite-like membrane protrusions in non-neuronal cells in a ZFYVE27-dependent manner (By similarity). Regulates centrosome and nuclear positioning during mitotic entry. During the G2 phase of the cell cycle in a BICD2- dependent manner, antagonizes dynein function and drives the separation of nuclei and centrosomes (PubMed: <a href="#">20386726</a> ). Required for anterograde axonal transportation of MAPK8IP3/JIP3 which is essential for MAPK8IP3/JIP3 function in axon elongation (By similarity). Through binding with PLEKHM2 and ARL8B, directs lysosome movement toward microtubule plus ends (Probable). Involved in NK cell-mediated cytotoxicity. Drives the polarization of cytolytic granules and microtubule-organizing centers (MTOCs) toward the immune synapse between effector NK lymphocytes and target cells (PubMed: <a href="#">24088571</a> ).
Cellular Location	Cytoplasm, cytoskeleton {ECO:0000250 UniProtKB:Q2PQA9}. Cytolytic granule

membrane. Lysosome membrane; Peripheral membrane protein;  
Cytoplasmic side Note=Uniformly distributed between soma and neurites in  
hippocampal neurons. {ECO:0000250|UniProtKB:Q2PQA9}

## Images



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