
Product Name: KIF5B Rabbit Monoclonal antibody**Catalog #: AMRe02193**

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,IP
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal Antibody
Form	Liquid
Concentration	0.16mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
Purification	Affinity Purified

Application

Dilution Ratio	WB 1:500-1:1000,IHC 1:50-1:100,ICC/IF 1:50-1:200,IP 1:20-1:50
Molecular Weight	Calculated MW: 110 kDa; Observed MW: 110 kDa

Antigen Information

Gene Name	KIF5B
Alternative Names	KNS; KINH; KNS1; UKHC; HEL-S-61
Gene ID	3799
SwissProt ID	P33176
Immunogen	A synthetic peptide of human KIF5B

Background

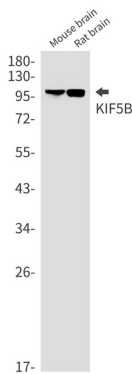
Microtubule-dependent motor required for normal distribution of mitochondria and lysosomes. Can induce formation of neurite-like membrane protrusions in non-neuronal cells in a ZFYVE27-dependent manner. Regulates centrosome and nuclear

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:20386726). Required for anterograde axonal transportation of MAPK8IP3/JIP3 which is essential for MAPK8IP3/JIP3 function in axon elongation .

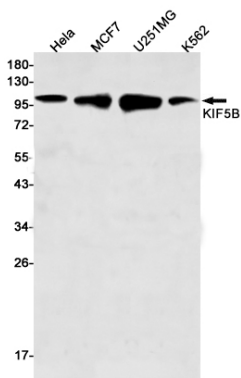
Research Area

Signal Transduction

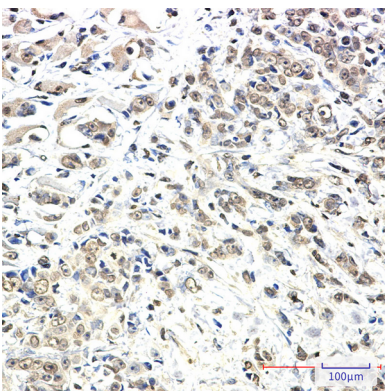
Image Data



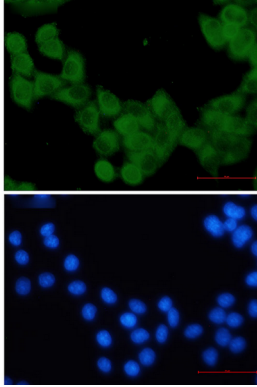
Western blot analysis of KIF5B in mouse brain, rat brain lysates using KIF5B antibody.



Western blot analysis of KIF5B in HeLa, MCF-7, U251MG, K562 lysates using KIF5B antibody.



Immunohistochemistry analysis of paraffin-embedded Human breast cancer using KIF5B antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunocytochemistry analysis of KIF5B (green) in HeLa using KIF5B antibody, and DAPI(blue).