Product Name: KIF5B Rabbit Monoclonal Antibody
Catalog #: AMRe85735
For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC,ICC,IP
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	0.51mg/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	Purified antibody in TBS with 0.05% sodium azide,0.05%protective protein and 50% glycerol.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000,IHC 1:50-1:100,ICC 1:50-1:200,IP 1:10-1:20
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	3799.0
SwissProt ID	P33176
Immunogen	A synthetic peptide of human KIF5B

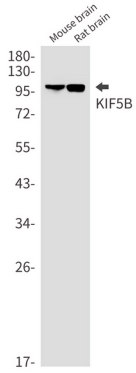
Background

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

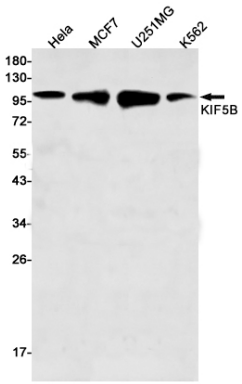
function and drives the separation of nuclei and centrosomes (PubMed:20386726). Required for anterograde axonal transportation of MAPK8IP3/JIP3 which is essential for MAPK8IP3/JIP3 function in axon elongation .

Research Area

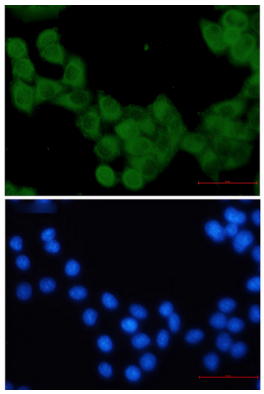
Image Data



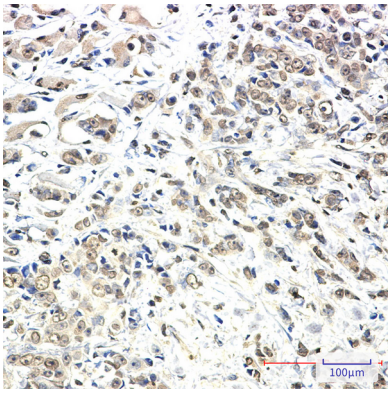
Western blot analysis of KIF5B in mouse brain, rat brain lysates using KIF5B antibody.



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



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



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.