Product Name: KIF5B Rabbit Monoclonal Antibody
Catalog #: AMRe02193

Summary

Production Name	KIF5B Rabbit Monoclonal Antibody
Description	Recombinant Rabbit Monoclonal antibody
Host	Rabbit
Application	WB,IHC-F,IHC-P,ICC/IF,IP
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Purification	Affinity Purified

Immunogen

Gene Name	KIF5B
Alternative Names	KNS; KINH; KNS1; UKHC; HEL-S-61
Gene ID	3799
SwissProt ID	P33176

Application

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

Background

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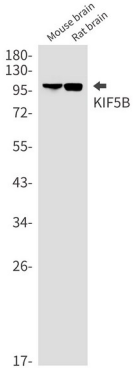
Microtubule-dependent motor required for normal distribution of mitochondria and lysosomes. Can induce formation of neurite-like membrane protrusions in non-neuronal cells in a ZFYVE27-dependent manner . Regulates centrosome and nuclear positioning during mitotic entry. During the G2 phase of the cell 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 .

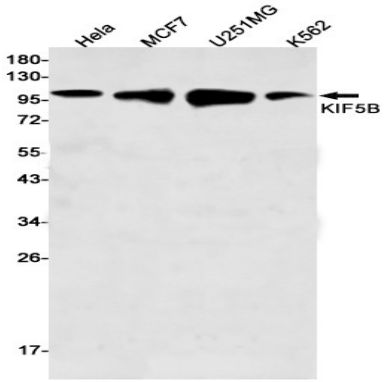
Research Area

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.

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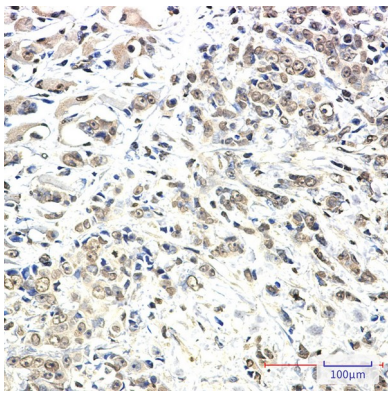
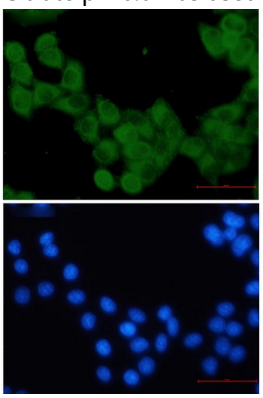


Immunohistochemistry analysis of paraffin-embedded Human breast cancer using KIF5B antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



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

Note

For research use only.