Product Name: KIF5B (9K4) Rabbit Monoclonal Antibody
Catalog #: AMRe13018

Summary

Production Name	KIF5B (9K4) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat

Performance

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

Immunogen

Gene Name	KIF5B
Alternative Names	KIF5B; Kinesin1; KINH; KNS; KNS1; UKHC;
Gene ID	3799.0
SwissProt ID	P33176.A synthetic peptide of human KIF5B

Application

Dilution Ratio	WB: 1:1000-1:5000
Molecular Weight	110kDa

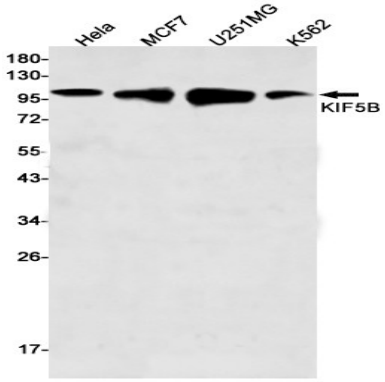
Background

Microtubule-dependent motor required for normal distribution of mitochondria and lysosomes. 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:20386726). 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:24088571).

Research Area

Image Data



Western blot detection of KIF5B in Hela,MCF7,U251MG,K562 cell lysates using KIF5B antibody(1:500 diluted).

Note

For research use only.