Product Datasheet

KIF5B Rabbit mAb

Catalog No: #52384

Package Size: #52384-1 50ul #52384-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

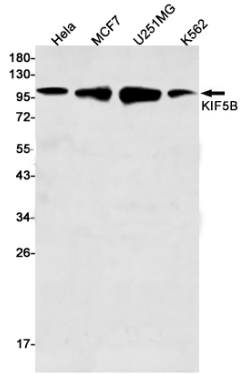
Description

Product Name	KIF5B Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S04-6G8
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB IHC IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic peptide of human KIF5B
Conjugates	Unconjugated
Modification	Unmodification
Other Names	KNS; KINH; KNS1; UKHC; HEL-S-61
Accession No.	Swiss-Prot:P33176GeneID:3799
Uniprot	P33176
GeneID	3799
Calculated MW	Calculated MW: 110 kDa; Observed MW: 110 kDa
Concentration	0.3 mg/ml
Formulation	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.

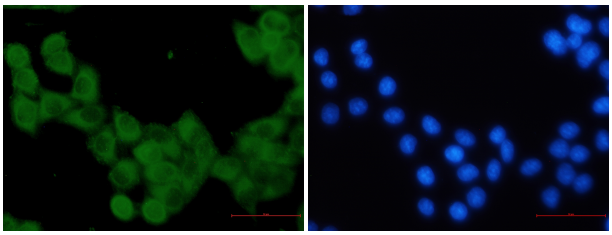
Application Details

WB: 1/1000-1/5000; IHC: 1/20-1/100; ICC/IF: 1/20-1/100;

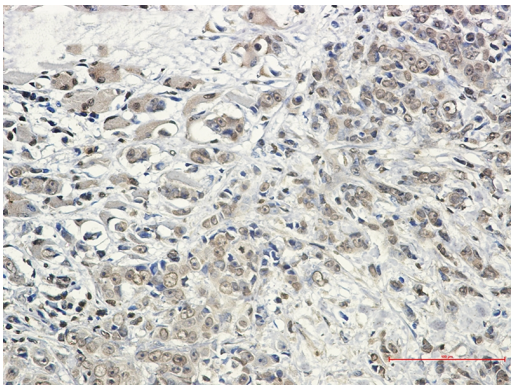
Images



Western blot detection of KIF5B in Hela,MCF7,U251MG,K562 cell lysates using KIF5B Rabbit mAb(1:500 diluted).Predicted band size:110kDa.Observed band size:110kDa.



Immunofluorescence of KIF5B (green) in Hela using KIF5B Rabbit mAb at dilution 1/5, and DAPI(blue)



Immunohistochemistry of KIF5B in paraffin-embedded Human breast cancer tissue using KIF5B Rabbit mAb at dilution 1/50

Background

Swiss-Prot Acc.P33176.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 .

Note: This product is for in vitro research use only