KIF1B (Phospho Ser1487) Rabbit pAb

CatalogNo: YP1379

Key Features

Host Species
- Rabbit

Reactivity
- Human,Rat,Mouse,

Applications
- WB,ELISA,IHC

MW
- 200kD (Observed)

Isotype
- IgG

Recommended Dilution Ratios

WB 1:500-2000
IHC 1:50-300
ELISA 1:2000-20000

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	Synthesized phosho peptide around human KIF1B (Ser1487)
Specificity	This antibody detects endogenous levels of Human KIF1B (phospho-Ser1487)

Target Information

Gene name	KIF1B KIAA0591 KIAA1448

Protein Name KIF1B (Ser1487)

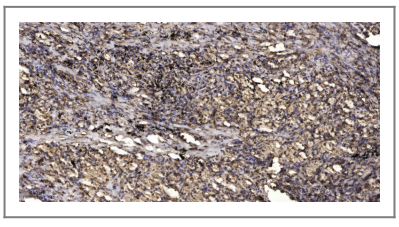
Organism	Gene ID	UniProt ID
Human	23095;	O60333;
Mouse	16561;	Q60575;
Rat	117548;	O88658;

Cellular Localization Cytoplasm, cytoskeleton. Mitochondrion . Cell projection, axon .; [Isoform 1]: Cytoplasmic vesicle, secretory vesicle, synaptic vesicle .

Tissue specificity Isoform 3 is abundant in the skeletal muscle. It is also expressed in fetal brain, lung and kidney, and adult heart, placenta, testis, ovary and small intestine. Isoform 2 is abundant in the brain and also expressed in fetal heart, lung, liver and kidney, and adult skeletal muscle, placenta, liver, kidney, heart, spleen, thymus, prostate, testis, ovary, small intestine, colon and pancreas.

Function Disease:Defects in KIF1B are the cause of Charcot-Marie-Tooth disease type 2A1 (CMT2A1) [MIM:118210]. CMT2A1 is a form of Charcot-Marie-Tooth disease, the most common inherited disorder of the peripheral nervous system. Charcot-Marie-Tooth disease is classified in two main groups on the basis of electrophysiologic properties and histopathology: primary peripheral demyelinating neuropathy or CMT1, and primary peripheral axonal neuropathy or CMT2. Neuropathies of the CMT2 group are characterized by signs of axonal regeneration in the absence of obvious myelin alterations, normal or slightly reduced nerve conduction velocities, and progressive distal muscle weakness and atrophy.,Function:Motor for anterograde transport of mitochondria. Has a microtubule plus end-directed motility.,similarity:Belongs to the kinesin-like protein family.,similarity:Belongs to the kinesin-like protein family. Unc-104 subfamily.,similarity:Contains 1 FHA domain.,similarity:Contains 1 kinesin-motor domain.,similarity:Contains 1 PH domain.,subunit:Interacts with KBP.,tissue specificity:Isoform 3 is abundant in the skeletal muscle. It is also expressed in fetal brain, lung and kidney, and adult heart, placenta, testis, ovary and small intestine. Isoform 2 is abundant in the brain and also expressed in fetal heart, lung, liver and kidney, and adult skeletal muscle, placenta, liver, kidney, heart, spleen, thymus, prostate, testis, ovary, small intestine, colon and pancreas.,

Validation Data



Immunohistochemical analysis of paraffin-embedded human Squamous cell carcinoma of lung. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

Contact information

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