

## KIF1B (Phospho Ser1487) Rabbit pAb

CatalogNo: YP1379

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB, ELISA, IHC

#### MW

- 200kD (Observed)

#### Isotype

- IgG

### 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.

### Recommended Dilution Ratios

**WB 1:500-2000**

**IHC 1:50-300**

**ELISA 1:2000-20000**

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** Synthesized phospho 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	<a href="#">23095</a> ;	<a href="#">O60333</a> ;
Mouse	<a href="#">16561</a> ;	<a href="#">Q60575</a> ;
Rat	<a href="#">117548</a> ;	<a href="#">O88658</a> ;

**Cellular Localization**

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

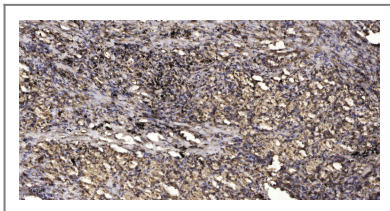
**Tissue specificity**

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°C overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 45min).

## Contact information

Orders: order.cn@immunoway.com  
Support: support.cn@immunoway.com  
Telephone: 400-8787-807(China)  
Website: <http://www.immunoway.com.cn>  
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code  
to access additional  
product information:  
**KIF1B (Phospho  
Ser1487) Rabbit  
pAb**

---

For Research Use Only. Not for Use in Diagnostic Procedures.

[Antibody](#) | [ELISA Kits](#) | [Protein](#) | [Reagents](#)