

# Product datasheet

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ARG59942 anti-KIF1B antibody

Package: 100 μl Store at: -20°C

## **Summary**

Product Description Rabbit Polyclonal antibody recognizes KIF1B

Tested Reactivity Hu, Ms, Rat

Tested Application WB

Host Rabbit

Clonality Polyclonal

Isotype IgG

Target Name KIF1B

Species Human

Immunogen Recombinant fusion protein corresponding to aa. 1501-1770 of Human KIF1B (NP\_055889.2).

Conjugation Un-conjugated

Alternate Names Kinesin-like protein KIF1B; HMSNII; KLP; KIp; CMT2A1; NBLST1; CMT2A; CMT2

## **Application Instructions**

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	SKOV3	
Observed Size	204 kDa	

#### **Properties**

Form Liquid

Purification Affinity purified.

Buffer PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.

Preservative 0.02% Sodium azide

Stabilizer 50% Glycerol

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Gene Symbol KIF1B

Gene Full Name kinesin family member 1B

Background This gene encodes a motor protein that transports mitochondria and synaptic vesicle precursors.

Mutations in this gene cause Charcot-Marie-Tooth disease, type 2A1. [provided by RefSeq, Jul 2008]

Function Motor for anterograde transport of mitochondria. Has a microtubule plus end-directed motility.

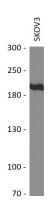
Isoform 2 is required for induction of neuronal apoptosis. [UniProt]

Calculated Mw 204 kDa

Cellular Localization Cytoplasmic vesicle. Cytoplasm, cytoskeleton. Mitochondrion. Note=Colocalizes with synaptophysin at

synaptic cytoplasmic transport vesicles in the neurites of hippocampal neurons. [UniProt]

### **Images**



#### ARG59942 anti-KIF1B antibody WB image

Western blot: 25  $\mu\text{g}$  of SKOV3 cell lysate stained with ARG59942 anti-KIF1B antibody at 1:1000 dilution.