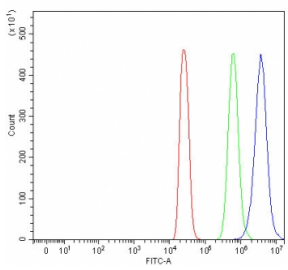
KIF1A Antibody (RQ7809)

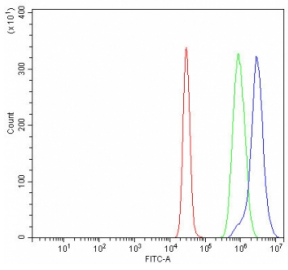
Catalog No.	Formulation	Size
RQ7809	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

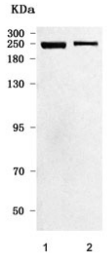
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q12756
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This KIF1A antibody is available for research use only.



Flow cytometry testing of human 293T cells with KIF1A antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= KIF1A antibody.



Flow cytometry testing of human K562 cells with KIF1A antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= KIF1A antibody.



Western blot testing of 1) rat brain and 2) mouse brain tissue with KIF1A antibody. Predicted molecular weight ~191 kDa.

Description

Kinesin-like protein KIF1A, also known as axonal transporter of synaptic vesicles or microtubule-based motor KIF1A, is a protein that in humans is encoded by the KIF1A gene. The protein encoded by this gene is a member of the kinesin family and functions as an anterograde motor protein that transports membranous organelles along axonal microtubules. Mutations at this locus have been associated with spastic paraplegia-30 and hereditary sensory neuropathy IIC. Alternatively spliced transcript variants encoding distinct isoforms have been described.

Application Notes

Optimal dilution of the KIF1A antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids H1079-Y1628) was used as the immunogen for the KIF1A antibody.

Storage

After reconstitution, the KIF1A antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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