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KIF2A antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI10107

Product Information

Application	WB
Primary Accession	O00139
Other Accession	O00139, NP_004511, NM_004520
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Chicken, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	79955

Additional Information

Gene ID	3796
Alias Symbol	HK2, KIF2
Other Names	Kinesin-like protein KIF2A, Kinesin-2, hK2, KIF2A, KIF2, KNS2
Target/Specificity	KIF2A plus end-directed microtubule-dependent motor is required for normal brain development. KIF2A may regulate microtubule dynamics during axonal growth and has microtubule depolymerization activity. The protein is implicated in formation of bipolar mitotic spindles. Kinesins, such as KIF2, are microtubule-associated motor proteins. For background information on kinesins, see MIM 148760.[supplied by OMIM].
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-KIF2A antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.
Precautions	KIF2A antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

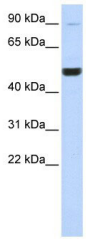
Name	KIF2A
Synonyms	KIF2, KNS2
Function	Plus end-directed microtubule-dependent motor required for normal brain development. May regulate microtubule dynamics during axonal growth.

	Required for normal progression through mitosis. Required for normal congress of chromosomes at the metaphase plate. Required for normal spindle dynamics during mitosis. Promotes spindle turnover. Implicated in formation of bipolar mitotic spindles. Has microtubule depolymerization activity.
Cellular Location	Cytoplasm. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, spindle pole. Cytoplasm, cytoskeleton, spindle. Note=Localized to the spindle microtubules and spindle poles from prophase to metaphase. Efficient targeting to spindle microtubules and spindle poles requires the kinase activity of PLK1. Recruited to mitotic spindles by interaction with PSRC1

Background

This is a rabbit polyclonal antibody against KIF2A. It was validated on Western Blot using a cell lysate as a positive control. Abgent strives to provide antibodies covering each member of a whole protein family of your interest. We also use our best efforts to provide you antibodies recognize various epitopes of a target protein. For availability of antibody needed for your experiment, please inquire (sales@abgent.com).

Images



KIF2A antibody - middle region (AI10107) in Human 721_B cells using Western Blot
WB Suggested Anti-KIF2A Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:1562500
Positive Control: 721_B cell lysate
KIF2A is strongly supported by BioGPS gene expression data to be expressed in Human 721_B cells

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.