

KIF2A antibody - N-terminal region

Rabbit Polyclonal Antibody Catalog # AI10579

Product Information

ApplicationWB, IHCPrimary Accession000139

Other Accession <u>NM 004520, NP 004511</u>

Reactivity PredictedHuman, Mouse, Rat, Dog, Bovine
Human, Mouse, Rat, Dog, 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

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 - N-terminal 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.

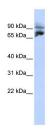
Cellular Location Cytoplasm. Cytoplasm, cytoskeleton, microtubule organizing center,

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

References

Jang, C.Y., (2008) J. Cell Biol. 181 (2), 255-267 Reconstitution and Storage: For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

Images



WB Suggested Anti-KIF2A Antibody Titration: .2-1 ug/ml

ELISA Titer: 1:3125

Positive Control: HepG2 cell lysate

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