10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

KIF20A Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17031A

Specification

KIF20A Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	O95235
Other Accession	P97329, NP_005724.1
Reactivity	**Human**
Predicted	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**100278**
Antigen Region	**198-226**

KIF20A Antibody (N-term) - Additional Information

Gene ID 10112

Other Names
Kinesin-like protein KIF20A, GG10_2, Mitotic kinesin-like protein 2, MKlp2, Rab6-interacting kinesin-like protein, Rabkinesin-6, KIF20A, MKLP2, RAB6KIFL

Target/Specificity
This KIF20A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 198-226 amino acids from the N-terminal region of human KIF20A.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
KIF20A Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

KIF20A Antibody (N-term) - Protein Information

Name KIF20A

Synonyms MKLP2, RAB6KIFL

Function Mitotic kinesin required for chromosome passenger complex (CPC)-mediated cytokinesis. Following phosphorylation by PLK1, involved in recruitment of PLK1 to the central spindle. Interacts with guanosine triphosphate (GTP)-bound forms of RAB6A and RAB6B. May act as a motor required for the retrograde RAB6 regulated transport of Golgi membranes and associated vesicles along microtubules. Has a microtubule plus end- directed motility.

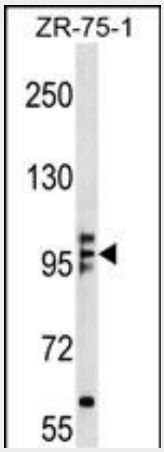
Cellular Location
Golgi apparatus. Cytoplasm, cytoskeleton, spindle. Note=Localizes to the spindle midzone during anaphase and telophase.

KIF20A Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KIF20A Antibody (N-term) - Images



KIF20A Antibody (N-term) (Cat. #AP17031a) western blot analysis in ZR-75-1 cell line lysates (35ug/lane).This demonstrates the KIF20A antibody detected the KIF20A protein (arrow).

KIF20A Antibody (N-term) - Background

KIF20A interacts with guanosine triphosphate (GTP)-bound forms of RAB6A and RAB6B. May act as a motor required for the retrograde RAB6 regulated transport of Golgi membranes and associated vesicles along microtubules. Has a microtubule plus end-directed motility (By similarity).

KIF20A Antibody (N-term) - References

Hummer, S., et al. Curr. Biol. 19(7):607-612(2009)
Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)

Olsen, J.V., et al. Cell 127(3):635-648(2006)
Nousiainen, M., et al. Proc. Natl. Acad. Sci. U.S.A. 103(14):5391-5396(2006)
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