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KIF20A Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP17031a

Specification

KIF20A Antibody (N-term) Blocking Peptide - Product Information

Primary Accession O95235

KIF20A Antibody (N-term) Blocking Peptide - 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

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

KIF20A Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- Blocking Peptides

KIF20A Antibody (N-term) Blocking Peptide - Images

KIF20A Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - 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)Nousiainen, M., et al. Proc. Natl. Acad. Sci. U.S.A. 103(14):5391-5396(2006)