

KIF24 Antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15437**Specification**

KIF24 Antibody - N-terminal region - Product Information

Application	WB
Primary Accession	Q5T7B8
Other Accession	NM_194313 , NP_919289
Reactivity	Human, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	140kDa KDa

KIF24 Antibody - N-terminal region - Additional Information**Gene ID** 347240**Alias Symbol** C9orf48, FLJ10933, FLJ43884, MGC125677, MGC125678, bA571F15.4**Other Names**

Kinesin-like protein KIF24, KIF24, C9orf48

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-KIF24 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

KIF24 Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

KIF24 Antibody - N-terminal region - Protein Information**Name** KIF24**Synonyms** C9orf48**Function**

Microtubule-dependent motor protein that acts as a negative regulator of ciliogenesis by mediating recruitment of CCP110 to mother centriole in cycling cells, leading to restrict nucleation of cilia at centrioles. Mediates depolymerization of microtubules of centriolar origin, possibly to suppress aberrant cilia formation (PubMed:<a href="http://www.uniprot.org/citations/21620453"

target="_blank">21620453). Following activation by NEK2 involved in disassembly of primary cilium during G2/M phase but does not disassemble fully formed ciliary axonemes. As cilium assembly and disassembly is proposed to coexist in a dynamic equilibrium may suppress nascent cilium assembly and, potentially, ciliar re-assembly in cells that have already disassembled their cilia ensuring the completion of cilium removal in the later stages of the cell cycle (PubMed:26290419). Plays an important role in recruiting MPHOSPH9, a negative regulator of cilia formation to the distal end of mother centriole (PubMed:30375385).

Cellular Location

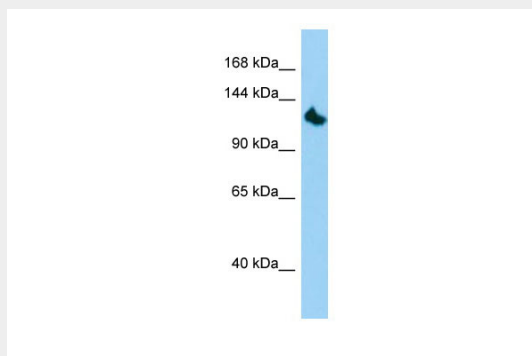
Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome Note=Primarily localizes to the mother centriole/basal body and is either absent at daughter centriole

KIF24 Antibody - N-terminal region - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KIF24 Antibody - N-terminal region - Images



Host: Rabbit

Target Name: KIF24

Sample Tissue: HepG2 Whole cell lysate

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Antibody Dilution: 1.0µg/ml KIF24 is supported by BioGPS gene expression data to be expressed in HepG2

KIF24 Antibody - N-terminal region - References

Humphray S.J., et al. Nature 429:369-374(2004).

Ota T., et al. Nat. Genet. 36:40-45(2004).

Daub H., et al. Mol. Cell 31:438-448(2008).

Oppermann F.S., et al. Mol. Cell. Proteomics 8:1751-1764(2009).

Kobayashi T.,et al.Cell 145:914-925(2011).