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KIF24 Antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15436

Specification

KIF24 Antibody - C-terminal region - Product Information

Application	**WB**
Primary Accession	Q5T7B8
Other Accession	NM_194313, NP_919289
Reactivity	**Human**
Predicted	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**151kDa KDa**

KIF24 Antibody - C-terminal region - Additional Information

Gene ID 347240

Alias Symbol	**C9orf48, 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 - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

KIF24 Antibody - C-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: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).

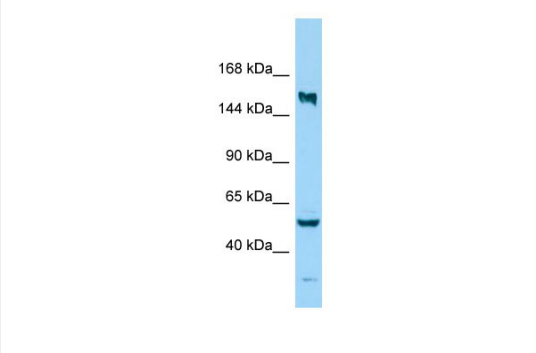
Cellular Location
Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome Note=Primarily localizes to the mother centriole/basal body and is either absent at daughter centriole

KIF24 Antibody - C-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 Cytomety
- Cell Culture

KIF24 Antibody - C-terminal region - Images



Host: Rabbit
Target Name: KIF24
Sample Tissue: MDA-MB-435S Whole cell lysate
s
Antibody Dilution: 1.0µg/mlKIF24 is supported by BioGPS gene expression data to be expressed in MDA-MB435

KIF24 Antibody - C-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).