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KIF24 Antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI15436

Product Information

Application	WB
Primary Accession	Q5T7B8
Other Accession	NM_194313, NP_919289
Reactivity	Human
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	151903

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.

Protein Information

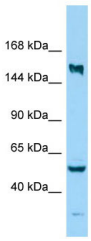
Name	KIF24
Synonyms	C9orf48
Function	Microtubule-dependent motor protein that acts as a negative regulator of ciliogenesis by mediating recruitment of CCP110 to mother centriole in cycling cells, leading to restrict nucleation of cilia at centrioles. Mediates depolymerization of microtubules of centriolar 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

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).

Images



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