

KIF24 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP5720a**Specification**

KIF24 Antibody (N-term) Blocking peptide - Product Information

Primary Accession [Q5T7B8](#)
Other Accession [NP_919289.2](#)

KIF24 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 347240

Other Names

Kinesin-like protein KIF24, KIF24, C9orf48

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.

KIF24 Antibody (N-term) Blocking peptide - 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 (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

KIF24 Antibody (N-term) Blocking peptide - Images

KIF24 Antibody (N-term) Blocking peptide - References

Tsuritani, K., et al. Genome Res. 17(7):1005-1014(2007)Humphray, S.J., et al. Nature 429(6990):369-374(2004)Miki, H., et al. Proc. Natl. Acad. Sci. U.S.A. 98(13):7004-7011(2001)