10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

KIF24 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP5720A

Specification

KIF24 Antibody (N-term) - Product Information

Application	**WB, IHC-P, FC,E**
Primary Accession	Q5T7B8
Other Accession	Q6NWW5, NP_919289.2
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**151903**
Antigen Region	**356-384**

KIF24 Antibody (N-term) - Additional Information

Gene ID 347240

Other Names
Kinesin-like protein KIF24, KIF24, C9orf48

Target/Specificity
This KIF24 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 356-384 amino acids from the N-terminal region of human KIF24.

Dilution
WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
KIF24 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

KIF24 Antibody (N-term) - 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).

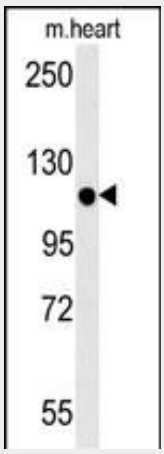
Cellular Location
Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome Note=Primarily localizes to the mother centriole/basal body and is either absent at daughter centriole

KIF24 Antibody (N-term) - Protocols

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

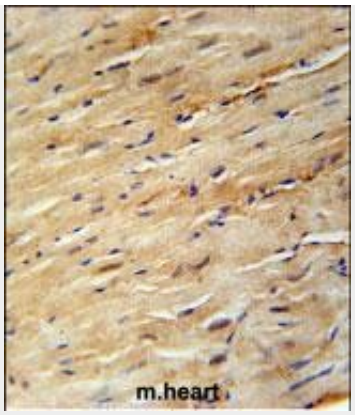
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KIF24 Antibody (N-term) - Images

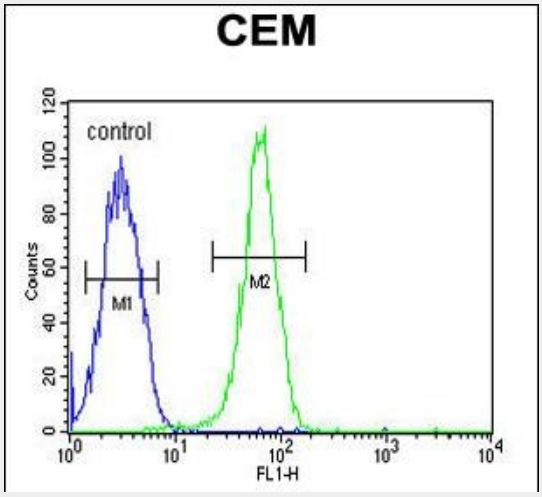


KIF24 Antibody (N-term) (Cat. #AP5720a) western blot analysis in mouse heart tissue lysates (15ug/lane).This demonstrates the KIF24 antibody detected KIF24 protein (arrow).

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KIF24 Antibody (N-term) (Cat. #AP5720a) immunohistochemistry analysis in formalin fixed and paraffin embedded mouse heart tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the KIF24 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



KIF24 Antibody (N-term) (Cat. #AP5720a) flow cytometric analysis of CEM cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

KIF24 Antibody (N-term) - 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)