

**KIF24 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP5720A****Specification**

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**KIF24 Antibody (N-term) - Product Information**

Application	FC, IHC-P, WB,E
Primary Accession	<a href="#">Q5T7B8</a>
Other Accession	<a href="#">Q6NWW5</a> , <a href="#">NP_919289.2</a>
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**

FC~~1:10~50

IHC-P~~1:50~100

WB~~1:1000

E~~Use at an assay dependent concentration.

**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

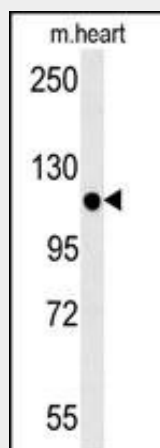
Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome Note=Primarily localizes to the mother centriole/basal body and is either absent at daughter centriole

## KIF24 Antibody (N-term) - Protocols

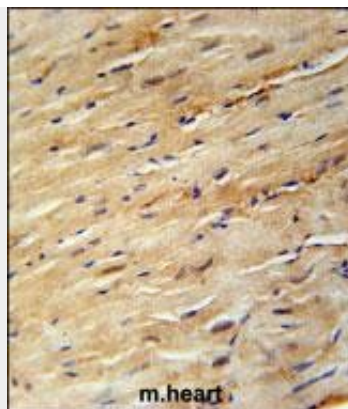
Provided below are standard protocols that you may find useful for product applications.

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

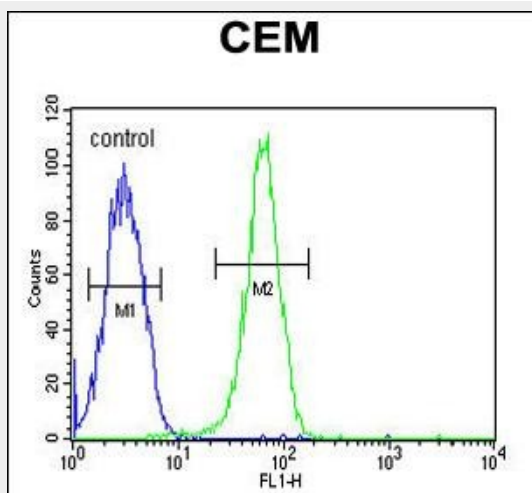
## KIF24 Antibody (N-term) - Images



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).



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)