

MPHOSPH9 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18097a**Specification**

MPHOSPH9 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O99550
Other Accession	NP_073619.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	133024
Antigen Region	248-275

MPHOSPH9 Antibody (N-term) - Additional Information**Gene ID** 10198**Other Names**

M-phase phosphoprotein 9, MPHOSPH9, MPP9

Target/Specificity

This MPHOSPH9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 248-275 amino acids from the N-terminal region of human MPHOSPH9.

Dilution

WB~~1:1000

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

MPHOSPH9 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

MPHOSPH9 Antibody (N-term) - Protein Information**Name** MPHOSPH9**Synonyms** MPP9

Function Negatively regulates cilia formation by recruiting the CP110- CEP97 complex (a negative regulator of ciliogenesis) at the distal end of the mother centriole in ciliary cells (PubMed:[30375385](#)). At the beginning of cilia formation, MPHOSPH9 undergoes TTBK2-mediated phosphorylation and degradation via the ubiquitin-proteasome system and removes itself and the CP110-CEP97 complex from the distal end of the mother centriole, which subsequently promotes cilia formation (PubMed:[30375385](#)).

Cellular Location

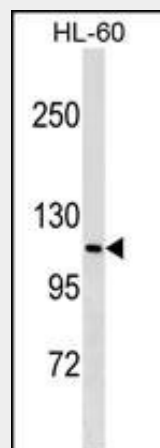
Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole. Golgi apparatus membrane; Peripheral membrane protein. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Note=Localizes to the distal and proximal end of centriole pairs in duplicated centrosomes. In ciliated cells, localizes to the distal and proximal end of daughter centriole and proximal of the mother centriole but not in the distal end of the mother centriole (PubMed:21399614). Recruited by KIF24 to the distal end of mother centriole where it forms a ring-like structure (PubMed:30375385).

MPHOSPH9 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](#)

MPHOSPH9 Antibody (N-term) - Images



MPHOSPH9 Antibody (N-term) (Cat. #AP18097a) western blot analysis in HL-60 cell line lysates (35ug/lane). This demonstrates the MPHOSPH9 antibody detected the MPHOSPH9 protein (arrow).

MPHOSPH9 Antibody (N-term) - Background

The function of this protein remains unknown.

MPHOSPH9 Antibody (N-term) - References

Bailey, S.D., et al. Diabetes Care (2010) In press :
Goldstein, B.A., et al. BMC Genet. 11, 49 (2010) :
De Jager, P.L., et al. Lancet Neurol 8(12):1111-1119(2009)
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)
De Jager, P.L., et al. Nat. Genet. 41(7):776-782(2009)