

MPHOSPH9 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP18097a**Specification**

MPHOSPH9 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q99550](#)**MPHOSPH9 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 10198**Other Names**

M-phase phosphoprotein 9, MPHOSPH9, MPP9

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.

MPHOSPH9 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

MPHOSPH9 Antibody (N-term) Blocking Peptide - Images

MPHOSPH9 Antibody (N-term) Blocking Peptide - Background

The function of this protein remains unknown.

MPHOSPH9 Antibody (N-term) Blocking Peptide - References

Bailey, S.D., et al. Diabetes Care (2010) In press :Goldstein, B.A., et al. BMC Genet. 11, 49 (2010)
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85(5):628-642(2009)De Jager, P.L., et al. Nat. Genet. 41(7):776-782(2009)