

**MPP9 Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP51793****Specification**

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**MPP9 Antibody - Product Information**

Application	<b>WB, E</b>
Primary Accession	<a href="#">O99550</a>
Reactivity	<b>Human, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>116 KDa</b>

**MPP9 Antibody - Additional Information****Gene ID** 10198**Other Names**

M-phase phosphoprotein 9, MPHOSPH9, MPP9

**Format**

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**MPP9 Antibody - 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:<a href="http://www.uniprot.org/citations/30375385" target="\_blank">30375385</a>). 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:<a href="http://www.uniprot.org/citations/30375385" target="\_blank">30375385</a>).

**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).

### **MPP9 Antibody - 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](#)

### **MPP9 Antibody - Images**

### **MPP9 Antibody - References**

Scherer S.E., et al. Nature 440:346-351(2006).

Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

Ota T., et al. Nat. Genet. 36:40-45(2004).

Matsumoto-Taniura N., et al. Mol. Biol. Cell 7:1455-1469(1996).

Mayya V., et al. Sci. Signal. 2:RA46-RA46(2009).