

# MPP9 Polyclonal Antibody

Catalog # AP71007

## **Product Information**

Application WB
Primary Accession Q99550
Reactivity Human
Host Rabbit
Clonality Polyclonal
Calculated MW 133024

#### **Additional Information**

**Gene ID** 10198

Other Names MPHOSPH9; MPP9; M-phase phosphoprotein 9

**Dilution** WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other

applications.

Format Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium

azide.

Storage Conditions -20°C

### **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

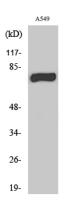
promotes cilia formation (PubMed: 30375385).

**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

# **Images**



Western Blot analysis of various cells using MPP9 Polyclonal Antibody

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