

MPP10 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51359**Specification**

MPP10 Antibody - Product Information

Application	WB, E
Primary Accession	O00566
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	79 KDa

MPP10 Antibody - Additional Information**Gene ID** 10199**Other Names**

U3 small nucleolar ribonucleoprotein protein MPP10, M phase phosphoprotein 10, MPHOSPH10, MPP10

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human MPP10. The exact sequence is proprietary.

Dilution

WB~~1:1000

E~~N/A

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

MPP10 Antibody - Protein Information**Name** MPHOSPH10 ([HGNC:7213](#))**Synonyms** MPP10**Function**

Component of the 60-80S U3 small nucleolar ribonucleoprotein (U3 snoRNP). Required for the early cleavages during pre-18S ribosomal RNA processing (PubMed:12655004). Part of the small subunit (SSU) processome, first precursor of the small eukaryotic ribosomal subunit. During the assembly of the SSU processome in the nucleolus, many ribosome biogenesis factors, an RNA chaperone and ribosomal proteins associate with the nascent pre-rRNA and work in concert to

generate RNA folding, modifications, rearrangements and cleavage as well as targeted degradation of pre-ribosomal RNA by the RNA exosome (PubMed:34516797).

Cellular Location

Nucleus, nucleolus. Chromosome Note=Fibrillar region of the nucleolus (PubMed:9450966). After dissolution of the nucleolus in early M phase becomes associated with chromosomes through metaphase and anaphase (PubMed:9450966). In telophase localized to small cellular prenucleolar bodies that not always contain fibrillarin (PubMed:9450966). The reassociation with nucleolus is preceded by the arrival of fibrillarin (PubMed:9450966)

MPP10 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](#)

MPP10 Antibody - Images

MPP10 Antibody - Background

Component of the 60-80S U3 small nucleolar ribonucleoprotein (U3 snoRNP). Required for the early cleavages during pre-18S ribosomal RNA processing.

MPP10 Antibody - References

Matsumoto-Taniura N.,et al.Mol. Biol. Cell 7:1455-1469(1996).
Westendorf J.M.,et al.Mol. Biol. Cell 9:437-449(1998).
Scherl A.,et al.Mol. Biol. Cell 13:4100-4109(2002).
Granneman S.,et al.Nucleic Acids Res. 31:1877-1887(2003).
Olsen J.V.,et al.Cell 127:635-648(2006).