

MPP10 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51359

Product Information

Application	WB
Primary Accession	O00566
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	78864

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
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

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)

Background

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

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).
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