

IMP3 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3254a**Specification**

IMP3 Antibody (internal region) - Product Information

Application	WB, E
Primary Accession	O9NV31
Other Accession	NP_060755.1 , 55272 , 102462 (mouse) , 315697 (rat)
Reactivity	Human
Predicted	Mouse, Rat, Pig, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	21850

IMP3 Antibody (internal region) - Additional Information**Gene ID** 55272**Other Names**

U3 small nucleolar ribonucleoprotein protein IMP3, U3 snoRNP protein IMP3, BRMS2, IMP3, C15orf12, MRPS4

Dilution

WB~~1:1000

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

IMP3 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

IMP3 Antibody (internal region) - Protein Information**Name** IMP3 ([HGNC:14497](#))**Synonyms** C15orf12, MRPS4

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

IMP3 Antibody (internal region) - 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](#)

IMP3 Antibody (internal region) - Images

AF3254a (0.05 µg/ml) staining of Human Liver lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

IMP3 Antibody (internal region) - References

IMP3 is a novel biomarker for triple negative invasive mammary carcinoma associated with a more aggressive phenotype. Walter O, Prasad M, Lu S, Quinlan RM, Edmiston KL, Khan A, Human pathology 2009 Nov 40 (11): 1528-33. PMID: 19695680