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Product datasheet for CF808806

NOB1 Mouse Monoclonal Antibody [Clone ID: OTI4H3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI4H3
Applications:	WB
Recommended Dilution:	WB 1:2000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 2-234 of human NOB1(NP_054781) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	46.5 kDa
Gene Name:	NIN1 (RPN12) binding protein 1 homolog
Database Link:	NP_054781 Entrez Gene 67619 MouseEntrez Gene 291996 RatEntrez Gene 28987 Human Q9ULX3

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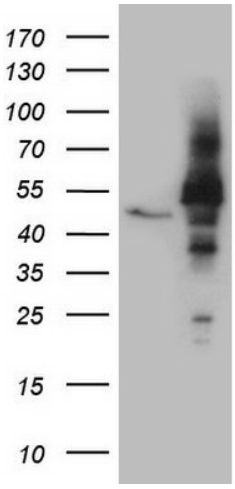
Background: In yeast, over 200 protein and RNA cofactors are required for ribosome assembly, and these are generally conserved in eukaryotes. These factors orchestrate modification and cleavage of the initial 35S precursor rRNA transcript into the mature 18S, 5.8S, and 25S rRNAs, folding of the rRNA, and binding of ribosomal proteins and 5S RNA. Nob1 is involved in pre-rRNA processing. In a late cytoplasmic processing step, Nob1 cleaves a 20S rRNA intermediate at cleavage site D to produce the mature 18S rRNA (Lamanna and Karbstein, 2009 [PubMed 19706509]). [supplied by OMIM, Nov 2010]. Transcript Variant: This variant (2) lacks an internal exon, compared to variant 1. This variant is represented as non-coding due to the presence of an upstream ORF that is predicted to interfere with translation of the longest ORF; translation of the upstream ORF renders the transcript a candidate for nonsense-mediated mRNA decay (NMD). Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Gene record to access additional publications. ##Evidence-Data-START## Transcript exon combination :: BG386829.1 [ECO:0000332] RNAseq introns :: mixed/partial sample support ERS025081, ERS025082 [ECO:0000350] ##Evidence-Data-END## COMPLETENESS: complete on the 3' end.

Synonyms: ART-4; MST158; MSTP158; NOB1P; PSMD8BP1

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY NOB1 ([RC209537], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-NOB1 (1:2000). Positive lysates [LY415505] (100ug) and [LC415505] (20ug) can be purchased separately from OriGene.