NOB1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NOB1, Polyclonal Antibody
Full Product Name	NOB1, CT (NOB1, ART4, NOB1P, PSMD8BP1, RNA-binding protein NOB1, Phosphorylation regulatory protein HP-10, Protein ART-4) (MaxLight 490)
Product Gene Name	anti-NOB1 antibody
Product Synonym Names	NOB1; ART4; NOB1P; PSMD8BP1; RNA-binding protein NOB1; Phosphorylation regulatory protein HP-10; Protein ART-4
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	46,675 Da
OMIM	613586
3D Structure	ModBase 3D Structure for Q9ULX3
Immunogen	NOB1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 383~412 amino acids from the C-terminal region of human NOB1.
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-NOB1 antibody	Antibodies; Binding Proteins
Applications Tested/Suitable for anti-NOB1 antibody	Western Blot (WB), FLISA
Application Notes for anti-NOB1 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-NOB1 antibody	MaxLight490 is a new Blue-Green photostable dye conjugate comparable to DyLight488, Alexa Fluor488 and offers better labeling efficiency, brighter imaging and increased immunodetection. Absorbance (491nm); Emission (515nm); Extinction Coefficient 73,000.
Product References and Citations for anti-NOB1 antibody	Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007). Olsen, J.V., et al. Cell 127(3):635-648(2006). Zhang, Y., et al. Mol. Biol. Rep. 32(3):185-189(2005).
Other Notes	Small volumes of anti-NOB1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for NOB1 purchase	MBS6325923 is an antibody targeting NOB1. Also known as NOB1, CT (NOB1, ART4, NOB1P, PSMD8BP1, RNA-binding protein NOB1, Phosphorylation regulatory protein HP-10, Protein ART-4) (MaxLight 490). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NOB1. It may not necessarily be applicable to this product.

NCBI GI #	7661532
NCBI GeneID	28987
NCBI Accession #	NP_054781.1
UniProt Primary Accession #	Q9ULX3
UniProt Secondary Accession #	Q7L6B7; Q7M4M4; Q7Z4B5; Q9NWB0
UniProt Related Accession #	Q9ULX3
GenBank Nucleotide #	NM_014062.2
NCBI Official Full Name	RNA-binding protein NOB1
NCBI Official Synonym Full Names	NIN1/RPN12 binding protein 1 homolog (S. cerevisiae)
NCBI Official Symbol	NOB1
NCBI Official Synonym Symbols	ART-4; NOB1P; MST158; MSTP158; PSMD8BP1
UniProt Protein Name	RNA-binding protein NOB1
UniProt Synonym Protein Names	Phosphorylation regulatory protein HP-10; Protein ART-4
Protein Family	20S-pre-rRNA D-site endonuclease
UniProt Gene Name	NOB1
UniProt Synonym Gene Names	ART4; NOB1P; PSMD8BP1
UniProt Entry Name	NOB1_HUMAN
NCBI Protein Information	RNA-binding protein NOB1; PSMD8 binding protein 1; adenocarcinoma antigen recognized by T lymphocytes 4; nin one binding protein; phosphorylation regulatory protein HP-10; protein ART-4
NCBI Summary for NOB1	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]
UniProt Comments for NOB1	NOB1P: May play a role in mRNA degradation. Belongs to the NOB1 family. Protein type: RNA processing Chromosomal Location of Human Ortholog: 16q22.3 Cellular Component: nucleus Molecular Function: metal ion binding Biological Process: visual perception
Research Articles on NOB1	**1.** NOB1 depletion may inhibit osteosarcoma development by increasing E-cadherin and beta-catenin expression.

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