



Rabbit Anti-NOB1 antibody

SL8857R

Product Name:	NOB1
Chinese Name:	RNABinding proteinNOB1抗体
Alias:	Adenocarcinoma antigen recognized by T lymphocytes 4; ART4; MST158; MSTP158; Nin one binding protein; NIN1/RPN12 binding protein 1 homolog (S. cerevisiae); nob1; NOB1_HUMAN; NOB1P; Phosphorylation regulatory protein HP-10; Protein ART-4; Protein ART4; PSMD8 binding protein 1; PSMD8BP1; RNA binding protein NOB1; RNA-binding protein NOB1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	47kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human NOB1:51-150/412
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	NOB1P is a 412 amino acid nuclear protein that is involved in proteosome biogenesis and is required for the final step in 18S rRNA maturation. NOB1P contains a PIN domain, which functions as a nuclease in nonsense-mediated mRNA decay and is

required for pre-rRNA cleavage. NOB1P interacts with Rent2, which is involved in nonsense-mediated decay of mRNAs containing premature stop codons. Expressed in placenta, spleen, endothelial cells, liver and lung, NOB1P is essential for the synthesis of 40S ribosome subunits. Suppression of the gene encoding NOB1P inhibits the processing of the 20S pre-rRNA to the mature 18S rRNA, therefore leading to accumulation of high levels of 20S pre-rRNA with degradation intermediates.

Function:

May play a role in mRNA degradation.

Subcellular Location:

Nucleus.

Tissue Specificity:

Detected in liver, lung, placenta, endothelial cells and spleen.

Similarity:

Belongs to the NOB1 family.

Contains 1 PINc domain.

SWISS:

Q9ULX3

Gene ID:

28987

Database links:

[Entrez Gene: 28987](#)Human

[Entrez Gene: 67619](#)Mouse

[Entrez Gene: 291996](#)Rat

[Omim: 613586](#)Human

[SwissProt: Q9ULX3](#)Human

[SwissProt: Q8BW10](#)Mouse

[SwissProt: Q6VEU1](#)Rat

[Unigene: 271695](#)Human

[Unigene: 334793](#)Mouse

[Unigene: 102586](#)Rat

Important Note:

	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
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