

For Research Use Only

NOB1 Monoclonal antibody

Catalog Number: 66048-1-Ig **1 Publications**



Basic Information

Catalog Number: 66048-1-Ig	GenBank Accession Number: BC000050	Purification Method: Protein G purification
Size: 150ul, Concentration: 1100 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 28987	CloneNo.: 8C11A12
Source: Mouse	UNIPROT ID: Q9ULX3	Recommended Dilutions: WB: 1:1000-1:6000 IHC: 1:20-1:200
Isotype: IgG1	Full Name: NIN1/RPN12 binding protein 1 homolog (S. cerevisiae)	
Immunogen Catalog Number: AG17907	Calculated MW: 47 kDa	
	Observed MW: 47 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : Jurkat cells, human placenta tissue IHC : human breast cancer tissue,
Cited Applications: WB	
Species Specificity: human	
Cited Species: human	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

NOB1 was first identified in yeast as an essential gene encoding the Nin one binding protein, which 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. In addition, NOB1 is a crucial molecule in the maturation of the 20S proteasome and protein degradation. It serves as a chaperone to join the 20S proteasome with the 19S regulatory particle in the nucleus and facilitates the maturation of the 20S proteasome. Recently NOB1 has been reported to be overexpressed in several types of cancer, suggesting its involvement in the tumorigenesis.

Notable Publications

Author	Pubmed ID	Journal	Application
Xingyuan Xu	40157618	Gene	WB

Storage

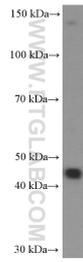
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

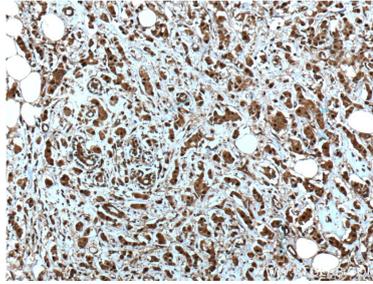
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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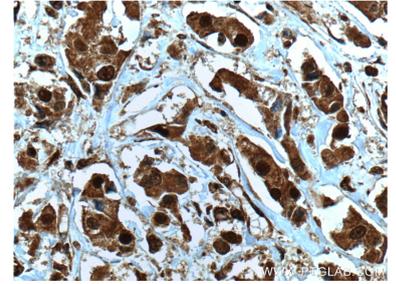
Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 66048-1-Ig (NOB1 Antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66048-1-Ig (NOB1 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66048-1-Ig (NOB1 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).