

For Research Use Only

NOB1 Polyclonal antibody

Catalog Number: 14456-1-AP **1 Publications**



Basic Information

Catalog Number: 14456-1-AP	GenBank Accession Number: BC064630	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 147 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 28987	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: Q9ULX3	
Isotype: IgG	Full Name: NIN1/RPN12 binding protein 1 homolog (S. cerevisiae)	
Immunogen Catalog Number: AG6051	Calculated MW: 46 kDa	
	Observed MW: 47 kDa	

Applications

Tested Applications: WB, FC (Intra), ELISA	Positive Controls: WB : Jurkat cells, L02 cells
Cited Applications: WB	
Species Specificity: human, mouse, rat	
Cited Species: human, mouse	

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
Zhikun Shi	35836846	Am J Transl Res	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

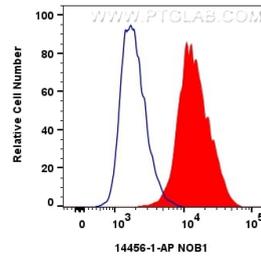
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Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 14456-1-AP (NOB1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



1×10^6 Jurkat cells were intracellularly stained with 0.4 μ g NOB1 Polyclonal antibody (14456-1-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.4 μ g Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).