

NOB1 Polyclonal antibody

Catalog Number: 14456-1-AP

1 Publications

Basic Information

Catalog Number:

14456-1-AP

Size:

147 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6051

GenBank Accession Number:

BC064630

GeneID (NCBI):

28987

UNIPROT ID:

Q9ULX3

Full Name:NIN1/RPN12 binding protein 1
homolog (S. cerevisiae)**Calculated MW:**

46 kDa

Observed MW:

47 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, FC (Intra), ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : Jurkat cells, L02 cells

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

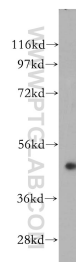
For technical support and original validation data for this product please contact:

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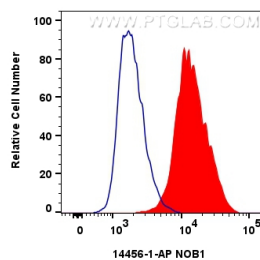
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Selected Validation Data



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 AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.4 μ g Rabbit IgG control Rabbit PolyAb (30000-O-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).