

## NOB1 Polyclonal Antibody

Catalog number: 14456-1-AP

Size: 22 µg/150 µl

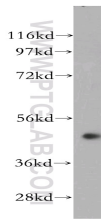
Source: Rabbit

Isotype: IgG

Synonyms:

NOB1; ART-4; MST158;

MSTP158; NOB1P; PSMD8BP1



Jurkat cells were subjected to SDS PAGE followed by western blot with 14456-1-AP (NOB1 Antibody) at dilution of 1:1000

### Background

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.

### Applications

Tested applications:	ELISA, WB
Species specificity:	Human, mouse, rat; other species not tested.
Positive WB detected in:	Jurkat cells
Calculated NOB1 MW:	46kd
Observed NOB1 MW:	47kd
Recommended dilution:	WB: 1:500-1:5000

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation, FC = Flow cytometry

### Immunogen information

Immunogen:	Ag6051
GenBank accession number:	BC064630
Gene ID (NCBI):	28987
Full name:	NIN1/RPN12 binding protein 1 homolog (S. cerevisiae)

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.