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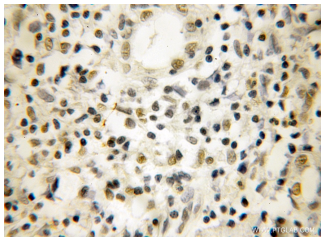
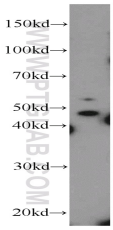
NOB1 Polyclonal Antibody

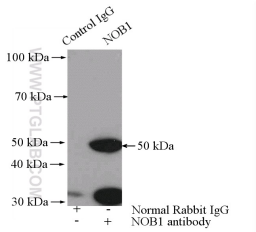
Catalog number: 10091-2-AP
Size: 27 µg/150 µl
Source: Rabbit
Isotype: IgG
Synonyms:
NOB1; ART 4, ART4, MST158, MSTP158, NOB1, NOB1P, Protein ART 4, PSMD8BP1, RNA binding protein NOB1



Immunohistochemical of paraffin-embedded human lymphoma using 10091-2-AP(NOB1 antibody) at dilution of 1:25 (under 10x lens)



SGC-7901 cells were subjected to SDS PAGE followed by western blot with 10091-2-AP(NOB1 antibody) at dilution of 1:300



IP Result of anti-NOB1 (IP:10091-2-AP, 4ug; Detection:10091-2-AP 1:300) with HepG2 cells lysate 2400ug.

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, IHC, IP**
Cited applications:	**IHC, WB**
Species specificity:	**Human,Mouse,Rat; other species not tested.**
Cited species:	**Human**
Caculated NOB1 MW:	**47 kDa**
Observed NOB1 MW:	**47-50 kDa**
Positive WB detected in	**SGC-7901 cells**
Positive IP detected in	**HepG2 cells**
Positive IHC detected in	**Human lymphoma tissue, human colon cancer tissue**
Recommended dilution:	**WB: 1:200-1:1000**
	IP: 1:200-1:1000
	IHC: 1:10-1:100

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

Immunogen information

Immunogen:	**Ag0141**
GenBank accession number:	**BC000050**
Gene ID (NCBI):	**28987**
Full name:	**NIN1/RPN12 binding protein 1 homolog (S. cerevisiae)**

Product information

Purification method:	**Antigen affinity purification**
Storage:	**PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.**