

For Research Use Only

# PSMD5 Polyclonal antibody

Catalog Number: 11469-1-AP



## Basic Information

### Catalog Number:

11469-1-AP

### Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG2026

### GenBank Accession Number:

BC014478

### GeneID (NCBI):

5711

### UNIPROT ID:

Q16401

### Full Name:

proteasome (prosome, macropain)

26S subunit, non-ATPase, 5

### Calculated MW:

504 aa, 56 kDa

### Observed MW:

50 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:8000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

## Applications

### Tested Applications:

WB, IP, IHC, ELISA

### Species Specificity:

human, mouse, rat

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

### Positive Controls:

WB: HeLa cells, Jurkat cells, human liver tissue, mouse liver tissue

IP: mouse liver tissue,

IHC: human prostate cancer tissue,

## Background Information

PSMD5, also named as KIAA0072, belongs to the proteasome subunit S5B/HSM3 family. It acts as a chaperone during the assembly of the 26S proteasome, specifically of the base subcomplex of the PA700/19S regulatory complex (RC). In the initial step of the base subcomplex assembly, it is part of an intermediate PSMD5:PSMC2:PSMC1:PSMD2 module which probably assembles with a SMD10:PSMC4:PSMC5:PAAF1 module followed by dissociation of PSMD5. (PMID:15489334). This antibody is specific to PSMD5.

## 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

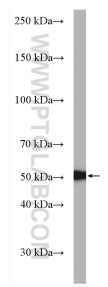
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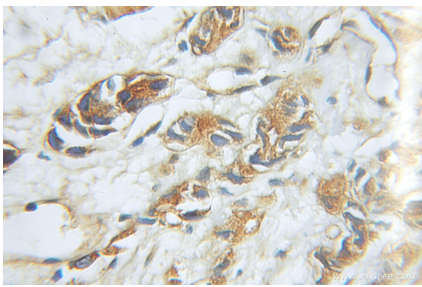
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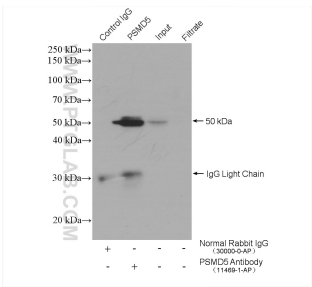
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 11469-1-AP (PSMD5 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer using 11469-1-AP (PSMD5 antibody) at dilution of 1:100 (under 10x lens).



IP result of anti-PSMD5 (IP:11469-1-AP, 4ug; Detection:11469-1-AP 1:1000) with mouse liver tissue lysate 4000 ug.