

# PSMD9 Rabbit Polyclonal Antibody



CAB5357

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

25kDa

### Calculated MW:

13kDa/22kDa/24kDa

### Applications:

WB IHC IF

### Reactivity:

Human, Mouse, Rat

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50  
- 1:200 IF 1:50 - 1:200

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein Background

The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase subunits. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. This gene encodes a non-ATPase subunit of the 19S regulator. Three transcript variants encoding two different isoforms have been found for this gene.

## Immunogen information

### Gene ID:

5715

### Uniprot

O00233

### Synonyms:

PSMD9; Rpn4; p27

### Immunogen:

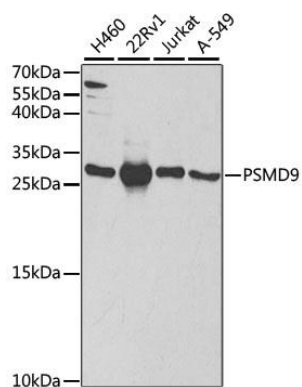
Recombinant fusion protein containing a sequence corresponding to amino acids 1-223 of human PSMD9 (NP\_002804.2).

### Storage:

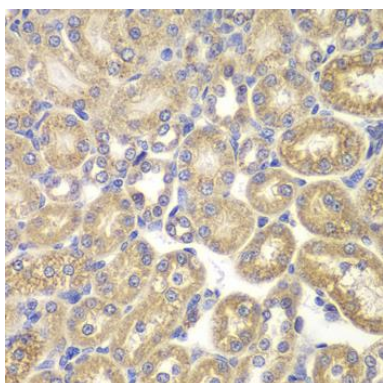
Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

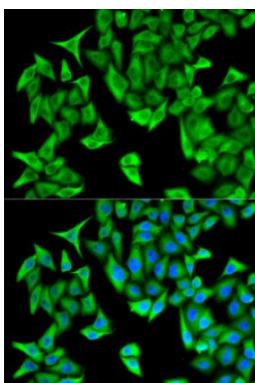
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Western blot analysis of extracts of various cell lines, using PSMD9 antibody (CAB5357) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (CABM00021).



Immunohistochemistry of paraffin-embedded rat kidney using PSMD9 antibody (CAB5357) at dilution of 1:200 (40x lens).



Immunofluorescence analysis of HeLa cells using PSMD9 antibody (CAB5357). Blue: DAPI for nuclear staining.