

**PSMB9 Antibody (C-Term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP21630b**

**Specification**

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**PSMB9 Antibody (C-Term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P28065</a>
Reactivity	Human, Rat
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	23264

**PSMB9 Antibody (C-Term) - Additional Information**

**Gene ID** 5698

**Other Names**

Proteasome subunit beta type-9, Low molecular mass protein 2, Macropain chain 7, Multicatalytic endopeptidase complex chain 7, Proteasome chain 7, Proteasome subunit beta-1i, Really interesting new gene 12 protein, PSMB9, LMP2, PSMB6i, RING12

**Target/Specificity**

This PSMB9 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 189-219 amino acids from the human region of human PSMB9.

**Dilution**

WB~~1:2000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

PSMB9 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

**PSMB9 Antibody (C-Term) - Protein Information**

**Name** PSMB9

**Synonyms** LMP2, PSMB6i, RING12

**Function** The proteasome is a multicatalytic proteinase complex which is characterized by its ability to cleave peptides with Arg, Phe, Tyr, Leu, and Glu adjacent to the leaving group at neutral or slightly basic pH (PubMed:[33727065](#), PubMed:[34819510](#)). The proteasome has an ATP-dependent proteolytic activity. This subunit is involved in antigen processing to generate class I binding peptides. Replacement of PSMB6 by PSMB9 increases the capacity of the immunoproteasome to cleave model peptides after hydrophobic and basic residues.

#### Cellular Location

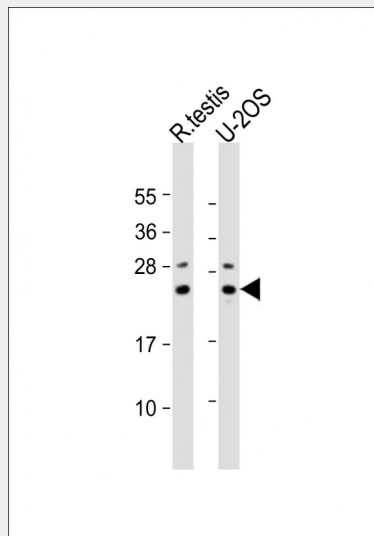
Cytoplasm {ECO:0000255|PROSITE-ProRule:PRU00809}. Nucleus

### PSMB9 Antibody (C-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### PSMB9 Antibody (C-Term) - Images



All lanes : Anti-PSMB9 Antibody (CTerm) at 1:2000 dilution Lane 1: rat testis lysate Lane 2: U-2OS whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 23 kDa Blocking/Dilution buffer: 5% NFD/MTBST.

### PSMB9 Antibody (C-Term) - Background

The proteasome is a multicatalytic proteinase complex which is characterized by its ability to cleave peptides with Arg, Phe, Tyr, Leu, and Glu adjacent to the leaving group at neutral or slightly basic pH. The proteasome has an ATP-dependent proteolytic activity. This subunit is involved in antigen processing to generate class I binding peptides. Replacement of PSMB6 by PSMB9 increases the capacity of the immunoproteasome to cleave model peptides after hydrophobic and basic

residues.

### **PSMB9 Antibody (C-Term) - References**

- Glynne R., et al. Eur. J. Immunol. 23:860-866(1993).  
Beck S., et al. J. Mol. Biol. 228:433-441(1992).  
Kelly A., et al. Nature 353:667-668(1991).  
Fruh K., et al. J. Biol. Chem. 267:22131-22140(1992).  
Beck S., et al. J. Mol. Biol. 255:1-13(1996).