

**PSMB11 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP11339b**

**Specification**

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**PSMB11 Antibody (C-term) - Product Information**

Application	WB, IHC-P,E
Primary Accession	<a href="#">A5LHX3</a>
Other Accession	<a href="#">NP_001093250.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	250-278

**PSMB11 Antibody (C-term) - Additional Information**

**Gene ID** 122706

**Other Names**

Proteasome subunit beta type-11, Proteasome subunit beta-5t, PSMB11

**Target/Specificity**

This PSMB11 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 250-278 amino acids from the C-terminal region of human PSMB11.

**Dilution**

WB~~1:1000

IHC-P~~1:50~100

E~~Use at an assay dependent concentration.

**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**

PSMB11 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**PSMB11 Antibody (C-term) - Protein Information**

**Name** PSMB11

**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. The proteasome has an ATP-dependent proteolytic activity. Incorporated instead of PSMB5 or PSMB8, this unit reduces the chymotrypsin-like activity of the proteasome (By similarity). Plays a pivotal role in development of CD8-positive T cells (By similarity).

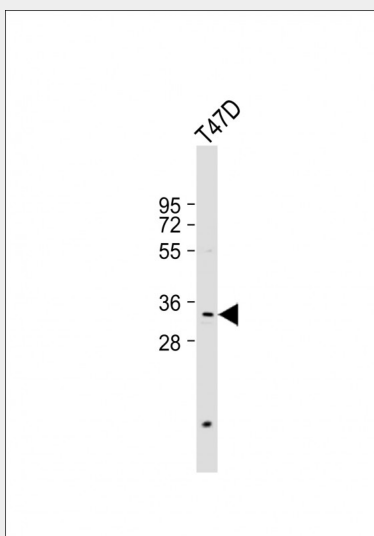
**Cellular Location**

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

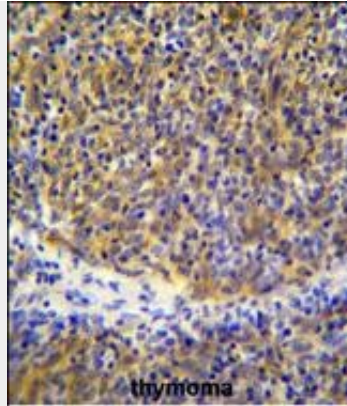
**PSMB11 Antibody (C-term) - Protocols**

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](#)

**PSMB11 Antibody (C-term) - Images**

Anti-PSMB11 Antibody (C-term) at 1:1000 dilution + T47D 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 : 33 kDa Blocking/Dilution buffer: 5% NFDm/TBST.



PSMB11 Antibody (C-term) (Cat. #AP11339b) immunohistochemistry analysis in formalin fixed and paraffin embedded human thymoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of PSMB11 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

#### **PSMB11 Antibody (C-term) - Background**

Proteasomes generate peptides that are presented by major histocompatibility complex (MHC) I molecules to other cells of the immune system. Proteolysis is conducted by 20S proteasomes, complexes of 28 subunits arranged as a cylinder in 4 heteroheptameric rings: alpha-1 to -7, beta-1 to -7, beta-1 to -7, and alpha-1 to -7. The catalytic subunits are beta-1 (PSMB6; MIM 600307), beta-2 (PSMB7; MIM 604030), and beta-5 (PSMB5; MIM 600306). Three additional subunits, beta-1i (PSMB9; MIM 177045), beta-2i (PSMB10; MIM 176847), and beta-5i (PSMB8; MIM 177046), are induced by gamma-interferon (IFNG; MIM 147570) and are preferentially incorporated into proteasomes to make immunoproteasomes. PSMB11, or beta-5t, is a catalytic subunit expressed exclusively in cortical thymic epithelial cells (Murata et al., 2007 [PubMed 17540904]).

#### **PSMB11 Antibody (C-term) - References**

Tomaru, U., et al. Blood 113(21):5186-5191(2009)  
Murata, S., et al. Science 316(5829):1349-1353(2007)