

# PSMB11 Polyclonal antibody

Catalog Number: 55143-1-AP

## Basic Information

<b>Catalog Number:</b> 55143-1-AP	<b>GenBank Accession Number:</b> NM_001099780	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 700 µg/ml	<b>GeneID (NCBI):</b> 122706	<b>Recommended Dilutions:</b> WB 1:200-1:600 IHC 1:100-1:400
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> A5LHX3	
<b>Isotype:</b> IgG	<b>Full Name:</b> proteasome (prosome, macropain) subunit, beta type, 11	
	<b>Calculated MW:</b> 33 kDa	
	<b>Observed MW:</b> 32-35 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, FC (Intra), ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>WB :</b> Jurkat cells, <b>IHC :</b> human thymus tissue,
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

PSMB11 belongs to the peptidase T1B family. It 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. PSMB11 has an ATP-dependent proteolytic activity. Incorporated instead of PSMB5 or PSMB8, this unit reduces the chymotrypsin-like activity of the proteasome. It plays a pivotal role in development of CD8-positive T cells. The antibody is specific to PSMB11.

## 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**

For technical support and original validation data for this product please contact:

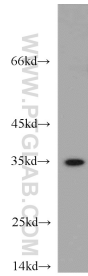
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

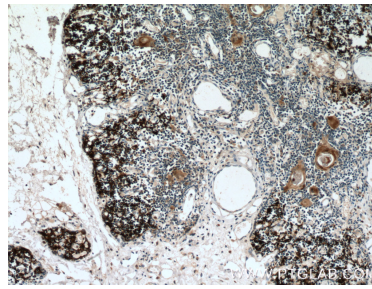
W: [ptgcn.com](http://ptgcn.com)

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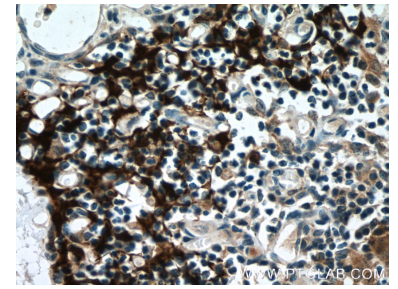
## Selected Validation Data



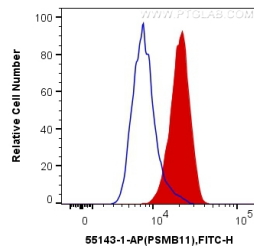
Jurkat cells were subjected to SDS PAGE followed by western blot with 55143-1-AP (PSMB11 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human thymus tissue slide using 55143-1-AP (PSMB11 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human thymus tissue slide using 55143-1-AP (PSMB11 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10<sup>6</sup> MCF-7 cells were intracellularly stained with 0.2 ug Anti-Human PSMB11 (55143-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.2 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).