

For Research Use Only

# PSMB5 Polyclonal antibody

Catalog Number: 14098-1-AP



## Basic Information

<b>Catalog Number:</b> 14098-1-AP	<b>GenBank Accession Number:</b> BC057840	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 220 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 5693	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P28074	
<b>Isotype:</b> IgG	<b>Full Name:</b> proteasome (prosome, macropain) subunit, beta type, 5	
<b>Immunogen Catalog Number:</b> AG5230	<b>Calculated MW:</b> 263 aa, 28 kDa	

## Applications

**Tested Applications:**  
ELISA

**Species Specificity:**  
human, mouse, rat

## Background Information

PSMB5 (Proteasome subunit beta type-5) is also named as LMPX, MB1, X and belongs to the peptidase T1B family. 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. RNAi-mediated silencing of PSMB5 expression resulted in restoration of proteasome inhibitor sensitivity in resistant cells (PMID:18565852). It has 2 isoforms produced by alternative splicing.

## 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

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

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## Selected Validation Data