

# PSB9 / LMP2 Antibody

Rabbit mAb

Catalog # AP91760

## Product Information

<b>Application</b>	WB, IF, FC, ICC
<b>Primary Accession</b>	<a href="#">P28065</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Clonality</b>	Monoclonal
<b>Other Names</b>	Beta1i; LMP2; PSMB 9; PSMB6i; PSMB9; RING12;
<b>Isotype</b>	Rabbit IgG
<b>Host</b>	Rabbit
<b>Calculated MW</b>	23264

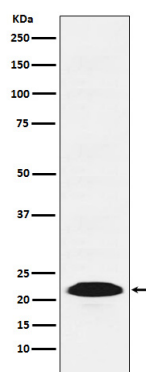
## Additional Information

<b>Dilution</b>	WB 1:1000~1:5000 ICC/IF 1:50~1:200 FC 1:50
<b>Purification</b>	Affinity-chromatography
<b>Immunogen</b>	A synthesized peptide derived from human Proteasome 20S LMP2
<b>Description</b>	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.
<b>Storage Condition and Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

## Protein Information

<b>Name</b>	PSMB9
<b>Synonyms</b>	LMP2, PSMB6i, RING12
<b>Function</b>	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: <a href="#">33727065</a> , PubMed: <a href="#">34819510</a> ). 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.
<b>Cellular Location</b>	Cytoplasm {ECO:0000255   PROSITE-ProRule:PRU00809}. Nucleus

## Images



Western blot analysis of Proteasome 20S LMP2 expression in A431 cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.