

PSB9 / LMP2 Antibody
Rabbit mAb
Catalog # AP91760

Specification

PSB9 / LMP2 Antibody - Product Information

Application	WB, FC, ICC
Primary Accession	P28065
Reactivity	Rat
Clonality	Monoclonal
Other Names	
Beta1i; LMP2; PSMB 9; PSMB6i; PSMB9; RING12;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	23264 Da

PSB9 / LMP2 Antibody - Additional Information

Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Proteasome 20S LMP2
Description	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.
Storage Condition and Buffer	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.

PSB9 / LMP2 Antibody - 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

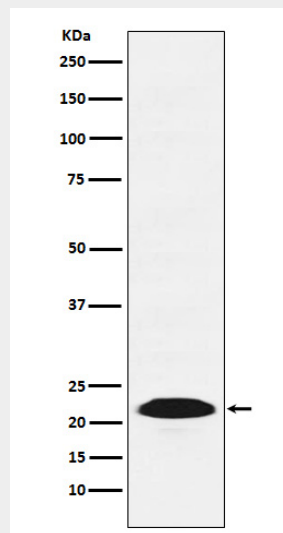
Cytoplasm {ECO:0000255|PROSITE-ProRule:PRU00809}. Nucleus

PSB9 / LMP2 Antibody - 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](#)

PSB9 / LMP2 Antibody - Images



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