

Anti-PSB9 / LMP2 Rabbit Monoclonal Antibody

Catalog # ABO14647

Product Information

Application	WB, IF, ICC, FC
Primary Accession	P28065
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-PSB9 / LMP2 Rabbit Monoclonal Antibody . Tested in WB, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.

Additional Information

Gene ID	5698
Other Names	Proteasome subunit beta type-9, 3.4.25.1, Low molecular mass protein 2, Macropain chain 7, Multicatalytic endopeptidase complex chain 7, Proteasome chain 7, Proteasome subunit beta-1i, Really interesting new gene 12 protein, PSMB9, LMP2, PSMB6i, RING12
Calculated MW	23264
Application Details	WB 1:1000-1:5000 ICC/IF 1:50-1:200 FC 1:50
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: AEFO-16
Immunogen	A synthesized peptide derived from human Proteasome 20S LMP2
Purification	Affinity-chromatography
Storage	At -20°C for one year. Avoid repeated freezing and thawing

Protein Information

Name	PSMB9
Synonyms	LMP2, PSMB6i, RING12

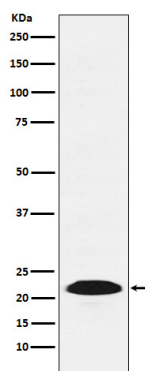
Function

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

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'.