

Anti-PSMB8 / LMP7 Antibody (aa263-276)

Goat Anti Human Polyclonal Antibody

Catalog # ALS17813

Product Information

Application	WB, IHC-P, E
Primary Accession	P28062
Predicted	Human
Host	Goat
Clonality	Polyclonal
Calculated MW	30354
Concentration (mg/ml)	0.5 mg/ml

Additional Information

Gene ID	5696
Alias Symbol	PSMB8
Other Names	PSMB8, D6S216, ALDD, Low molecular mass protein 7, LMP7, JMP, Proteasome subunit beta 5i, Proteasome subunit beta type-8, PSMB5i, Macropain subunit C13, Y2, NKJO, Protease component C13, Proteasome component C13, Proteasome subunit beta-5i, Proteasom ...
Target/Specificity	Human PSMB8. This antibody is expected to recognize both reported isoforms (NP_004150.1; NP_683720.2).
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-PSMB8 / LMP7 Antibody (aa263-276) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PSMB8
Synonyms	LMP7, PSMB5i, RING10, Y2
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. The proteasome has an ATP-dependent proteolytic activity. This subunit is involved in antigen processing to generate class I binding peptides. Replacement of PSMB5 by PSMB8 increases the capacity of the immunoproteasome to cleave model peptides after hydrophobic and basic residues. Involved in the generation of spliced peptides resulting from the ligation of two separate proteasomal cleavage products that are not contiguous in the parental protein

(PubMed:[27049119](#)). Acts as a major component of interferon gamma-induced sensitivity. Plays a key role in apoptosis via the degradation of the apoptotic inhibitor MCL1. May be involved in the inflammatory response pathway. In cancer cells, substitution of isoform 1 (E2) by isoform 2 (E1) results in immunoproteasome deficiency. Required for the differentiation of preadipocytes into adipocytes.

Cellular Location

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

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