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Anti-PSMB8 / LMP7 Antibody (aa263-276)

Goat Anti Human Polyclonal Antibody
Catalog # ALS17813

Specification

Anti-PSMB8 / LMP7 Antibody (aa263-276) - Product Information

Application	**WB, IHC-P, E**
Primary Accession	P28062
Predicted	**Human**
Host	**Goat**
Clonality	**Polyclonal**
Calculated MW	**30354**
Dilution	**WB~~1:1000** **IHC-P~~N/A** **E~~N/A**

Anti-PSMB8 / LMP7 Antibody (aa263-276) - 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.

Anti-PSMB8 / LMP7 Antibody (aa263-276) - 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

Anti-PSMB8 / LMP7 Antibody (aa263-276) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-PSMB8 / LMP7 Antibody (aa263-276) - Images