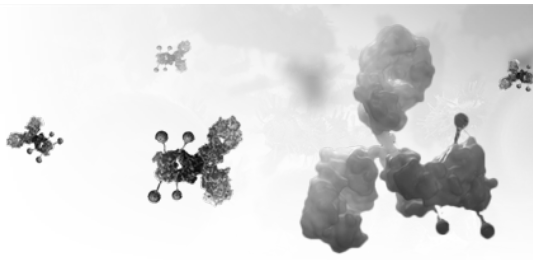

Anti-PSMB8 (aa 263-276) polyclonal antibody (DPABH-24599)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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. 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. 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.
Specificity	DPABH-24599 is expected to recognize both reported isoforms (NP_004150.1; NP_683720.2).
Immunogen	Synthetic peptide: C-DVSDLLHQYREANQ, corresponding to C terminal amino acids 263-276 of Human Proteasome 20S LMP7 (NP_683720.2).
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Size	100 µg

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Buffer	Constituents: 0.5% BSA, Tris buffered saline, pH 7.3
Preservative	0.02% Sodium Azide
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

GENE INFORMATION

Gene Name	PSMB8 proteasome (prosome, macropain) subunit, beta type, 9 [Homo sapiens]
Official Symbol	PSMB8
Synonyms	PSMB8; proteasome (prosome, macropain) subunit, beta type, 8; JMP; ALDD; LMP7; NKJO; D6S216; PSMB5i; RING10; D6S216E; proteasome subunit beta type-8; macropain subunit C13; proteasome subunit Y2; protease component C13; proteasome component C13; proteasome-related gene 7; proteasome subunit beta 5i; low molecular mass protein 7; low molecular weight protein 7; proteasome catalytic subunit 3i; large multifunctional peptidase 7; really interesting new gene 10 protein; multicatalytic endopeptidase complex subunit C13; proteasome (prosome, macropain) subunit, beta type, 8 (large multifunctional peptidase 7);
Entrez Gene ID	5696
Protein Refseq	NP_004150.1
UniProt ID	P28062
Pathway	APC/C-mediated degradation of cell cycle proteins; APC/C:Cdc20 mediated degradation of mitotic proteins; AUF1 (hnRNP D0) destabilizes mRNA; Activation of NF-kappaB in B cells
Function	protein binding; threonine-type endopeptidase activity;

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