



# Anti-PSMB9 (aa 104-113) polyclonal antibody (DPABH-24488)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	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 PSMB6 by PSMB9 increases the capacity of the immunoproteasome to cleave model peptides after hydrophobic and basic residues.
<b>Immunogen</b>	Synthetic peptide: RNISYKYRED by a Cysteine residue linker, corresponding to internal sequence amino acids 104-113 of Human Proteasome 20S LMP2 (NP_002791.1)
<b>Isotype</b>	IgG
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	Rat, Human
<b>Purification</b>	Immunogen affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	Constituents: 0.5% BSA, Tris buffered saline, pH 7.3
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

# GENE INFORMATION

Gene Name	<a href="#">PSMB9 proteasome (prosome, macropain) subunit, beta type, 10 [ Homo sapiens ]</a>
Official Symbol	PSMB9
Synonyms	PSMB9; proteasome (prosome, macropain) subunit, beta type, 9; LMP2; PSMB6i; RING12; beta1i; proteasome subunit beta type-9; macropain chain 7; proteasome chain 7; proteasome-related gene 2; proteasome subunit beta 6i; proteasome subunit beta-1i; low molecular mass protein 2; proteasome catalytic subunit 1i; large multifunctional peptidase 2; really interesting new gene 12 protein; multicatalytic endopeptidase complex chain 7; proteasome (prosome, macropain) subunit, beta type, 9 (large multifunctional peptidase 2);
Entrez Gene ID	<a href="#">5698</a>
Protein Refseq	<a href="#">NP_002791.1</a>
UniProt ID	<a href="#">P28065</a>
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;