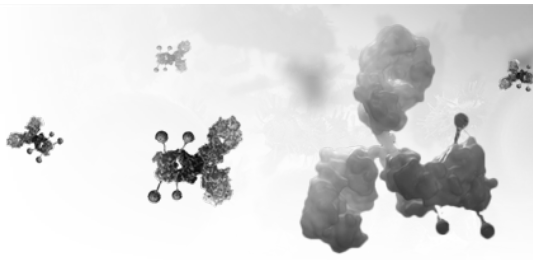

Anti-PSMB4 (full length) polyclonal antibody (DPAB-DC2540)

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 with a highly ordered ring-shaped 20S core structure. The core structure is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. This gene encodes a member of the proteasome B-type family, also known as the T1B family, that is a 20S core beta subunit.
Immunogen	PSMB4 (AAH00331, 1 a.a. ~ 264 a.a) full-length recombinant protein with GST tag. The sequence is MEAFLGSRSGLWAGGPAPGQFYRIPSTPDSFMDPASALYRGPITRTQNPMVTGTSVLGVK FEGGVVIAADMLGSYGSLARFRNISRIMRVNNSTMLGASGDYADFQYLKQVLGQMVIDEE LLGDGHSYSPRAIHSWLTRAMYSRRSKMNPLWNTMVIGGYADGESFLGYVDMLGVAYEAP SLATGYGAYLAQPLLREVLEKQPVLSQTEARDLVERCMRVLYYRDARSYNRFQTATVTEK GVEIEGPLSTETNWDIAHMISGFE
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None

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Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	PSMB4 proteasome (prosome, macropain) subunit, beta type, 4 [Homo sapiens (human)]
Official Symbol	PSMB4
Synonyms	PSMB4; proteasome (prosome, macropain) subunit, beta type, 4; HN3; HsN3; PROS26; PROS-26; proteasome subunit beta type-4; hsBPROS26; proteasome chain 3; macropain beta chain; proteasome beta chain; 26 kDa prosomal protein; proteasome subunit HsN3; proteasome subunit, beta type, 4; multicatalytic endopeptidase complex beta chain;
Entrez Gene ID	5692
Protein Refseq	NP_002787
UniProt ID	P28070
Chromosome Location	1q21
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	lipopolysaccharide binding; threonine-type endopeptidase activity;

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