

Proteasome Subunit Beta Type 1 (PSMB1) Antibody (Biotin)

Catalogue No.: abx105811

Proteasome Subunit Beta Type 1 (PSMB1) Antibody (Biotin) is a Rabbit Polyclonal antibody against Proteasome Subunit Beta Type 1 (PSMB1) conjugated to Biotin. 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. This gene is tightly linked to the TBP (TATA-binding protein) gene in human and in mouse, and is transcribed in the opposite orientation in both species.

Target:	Proteasome Subunit Beta Type 1 (PSMB1)
Clonality:	Polyclonal
Reactivity:	Human
Tested Applications:	ELISA
Host:	Rabbit
Recommended dilutions:	Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Biotin
Immunogen:	Recombinant human Proteasome subunit beta type-1 protein (29-241AA).
Isotype:	IgG
Form:	Liquid
Purity:	> 95%
Purification:	Purified by Protein G.
Storage:	Aliquot and store at -20°C. Avoid exposure to light. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P20618 (UniProt , ExPASy)
Gene Symbol:	PSMB1
GeneID:	5689

Datasheet

Version: 2.0.0

Revision date: 03 Aug 2025



OMIM: [602017](#)

HGNC: 9537

KEGG: hsa:5689

Ensembl: ENSG00000008018

String: [9606.ENSP00000262193](#)

Buffer: 0.01 M PBS, pH 7.4, 0.03% Proclin-300 and 50% Glycerol.

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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