

26S Proteasome Non-ATPase Regulatory Subunit 2 (PSMD2) Antibody

Catalogue No.: abx214307

PSMD2 Antibody is a Rabbit Polyclonal against PSMD2. The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core 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. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase 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 one of the non-ATPase subunits of the 19S regulator lid. In addition to participation in proteasome function, this subunit may also participate in the TNF signalling pathway since it interacts with the tumor necrosis factor type 1 receptor. A pseudogene has been identified on chromosome 1. Alternative splicing results in multiple transcript variants of this gene.

Target:	26S Proteasome Non-ATPase Regulatory Subunit 2 (PSMD2)
Clonality:	Polyclonal
Reactivity:	Human, Mouse, Rat
Tested Applications:	ELISA, WB
Host:	Rabbit
Recommended dilutions:	ELISA: 1/1000 - 1/2000, WB: 1/200 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Fusion protein of human PSMD2.
Isotype:	IgG
Form:	Liquid
Purification:	Antigen Affinity Chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	Q13200 (UniProt , ExPASy)
Gene Symbol:	PSMD2
GeneID:	5708

Datasheet

Version: 4.0.0

Revision date: 29 Jul 2025



OMIM: [606223](#)

NCBI Accession: NP_001265637.1, NM_001278708.1, NP_001265638.1, NM_001278709.1, NP_002799.3, NM_002808.4

HGNC: 9559

KEGG: hsa:5708

Ensembl: ENSG00000175166

String: [9606.ENSP00000310129](#)

Buffer: PBS, pH 7.4, containing 0.05% NaN₃ and 40% Glycerol.

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