

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

Catalogue No.: abx306959

PSMD2 Antibody (Biotin) is a Rabbit Polyclonal against PSMD2 conjugated to Biotin. 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.

<b>Target:</b>	26S Proteasome Non-ATPase Regulatory Subunit 2 (PSMD2)
<b>Clonality:</b>	Polyclonal
<b>Reactivity:</b>	Human
<b>Tested Applications:</b>	ELISA
<b>Host:</b>	Rabbit
<b>Recommended dilutions:</b>	Optimal dilutions/concentrations should be determined by the end user.
<b>Conjugation:</b>	Biotin
<b>Immunogen:</b>	Recombinant human 26S proteasome non-ATPase regulatory subunit 2 protein (401-700AA).
<b>Isotype:</b>	IgG
<b>Form:</b>	Liquid
<b>Purity:</b>	> 95%
<b>Purification:</b>	Purified by Protein G.
<b>Storage:</b>	Aliquot and store at -20°C. Avoid exposure to light. Avoid repeated freeze/thaw cycles.
<b>UniProt Primary AC:</b>	Q13200 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )
<b>Gene Symbol:</b>	PSMD2

# Datasheet

Version: 2.0.0

Revision date: 12 Sep 2025



<b>GeneID:</b>	<a href="#">5708</a>
<b>OMIM:</b>	<a href="#">606223</a>
<b>NCBI Accession:</b>	NP_001265637.1, NM_001278708.1, NP_001265638.1, NM_001278709.1, NP_002799.3, NM_002808.4
<b>HGNC:</b>	9559
<b>KEGG:</b>	hsa:5708
<b>Ensembl:</b>	ENSG00000175166
<b>String:</b>	<a href="#">9606.ENSP00000310129</a>
<b>Buffer:</b>	0.01 M PBS, pH 7.4, 0.03% Proclin-300 and 50% Glycerol.
<b>Note:</b>	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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