

## 26S Proteasome Non-ATPase Regulatory Subunit 9 (PSMD9) Antibody

Catalogue No.: abx242176

PSMD9 Antibody is a Rabbit Polyclonal against PSMD9. 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 a non-ATPase subunit of the 19S regulator. Three transcript variants encoding two different isoforms have been found for this gene.

<b>Target:</b>	26S Proteasome Non-ATPase Regulatory Subunit 9 (PSMD9)
<b>Clonality:</b>	Polyclonal
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Tested Applications:</b>	ELISA, WB, IHC
<b>Host:</b>	Rabbit
<b>Recommended dilutions:</b>	ELISA: 1/2000 - 1/5000, WB: 1/500 - 1/2000, IHC: 1/50 - 1/200. Optimal dilutions/concentrations should be determined by the end user.
<b>Conjugation:</b>	Unconjugated
<b>Immunogen:</b>	Fusion protein of human PSMD9.
<b>Isotype:</b>	IgG
<b>Form:</b>	Liquid
<b>Purification:</b>	Antigen Affinity Chromatography.
<b>Storage:</b>	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
<b>UniProt Primary AC:</b>	O00233 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )
<b>Gene Symbol:</b>	PSMD9
<b>GeneID:</b>	<a href="#">5715</a>
<b>OMIM:</b>	<a href="#">603146</a>

# Datasheet

Version: 2.0.0

Revision date: 18 Jul 2025



**NCBI Accession:** NP\_001248329.1, NM\_001261400.2, NP\_002804.2, NM\_002813.6

**KEGG:** hsa:5715

**Ensembl:** ENSG00000110801

**String:** [9606.ENSP00000440485](#)

**Buffer:** PBS, pH 7.4, containing 0.05% NaN<sub>3</sub> and 40% 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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