

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

Catalogue No.: abx028124



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.

**Target:** 26S Proteasome Non-ATPase Regulatory Subunit 9 (PSMD9)

**Clonality:** Polyclonal

**Reactivity:** Human

**Tested Applications:** ELISA, WB

**Host:** Rabbit

**Recommended dilutions:** WB: 1/1000. Optimal dilutions/concentrations should be determined by the end user.

**Conjugation:** Unconjugated

**Immunogen:** KLH-conjugated synthetic peptide between 176-205 amino acids from the C-terminal region of human PSMD9.

**Isotype:** IgG

**Form:** Liquid

**Purification:** Purified through a protein A column, followed by peptide affinity purification.

**Storage:** Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

# Datasheet

Version: 3.0.0  
Revision date: 19 Jul 2025



**UniProt Primary AC:** O00233 ([UniProt](#), [ExPASy](#))

**Gene Symbol:** PSMD9

**GeneID:** [5715](#)

**OMIM:** [603146](#)

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

**KEGG:** hsa:5715

**Ensembl:** ENSG00000110801

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

**Molecular Weight:** Calculated MW: 24.7 kDa

**Buffer:** PBS containing 0.09% sodium azide.

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