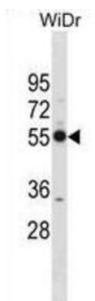


## 26S Proteasome Non-ATPase Regulatory Subunit 12 (PSMD12) Antibody

Catalogue No.: abx031378



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. A pseudogene has been identified on chromosome 3.

<b>Target:</b>	26S Proteasome Non-ATPase Regulatory Subunit 12 (PSMD12)
<b>Clonality:</b>	Polyclonal
<b>Reactivity:</b>	Human
<b>Tested Applications:</b>	ELISA, WB
<b>Host:</b>	Rabbit
<b>Recommended dilutions:</b>	WB: 1/1000. Optimal dilutions/concentrations should be determined by the end user.
<b>Conjugation:</b>	Unconjugated
<b>Immunogen:</b>	KLH-conjugated synthetic peptide between 276-304 amino acids from the Central region of human PSMD12.
<b>Isotype:</b>	IgG
<b>Form:</b>	Liquid
<b>Purification:</b>	Purified through a protein A column, followed by peptide affinity purification.
<b>Storage:</b>	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

# Datasheet

Version: 5.0.0  
Revision date: 07 Aug 2025



**UniProt Primary AC:** O00232 ([UniProt](#), [ExPASy](#))

**Gene Symbol:** PSMD12

**GeneID:** [5718](#)

**OMIM:** [604450](#)

**NCBI Accession:** NP\_001303270.1, NM\_001316341.1, NP\_002807.1, NM\_002816.4

**HGNC:** 9557

**KEGG:** hsa:5718

**Ensembl:** ENSG00000197170

**String:** [9606.ENSP00000348442](#)

**Molecular Weight:** Calculated MW: 52.9 kDa

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

**Specificity:** Predicted to react with Cow PSMD12.

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