

## 26S Proteasome Regulatory Subunit 4 (PSMC1) Antibody

Catalogue No.: abx114740

26S Proteasome Regulatory Subunit 4 (PSMC1) Antibody is a Rabbit Polyclonal antibody against 26S Proteasome Regulatory Subunit 4 (PSMC1). 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 ATPase subunits, a member of the triple-A family of ATPases which have a chaperone-like activity. This subunit and a 20S core alpha subunit interact specifically with the hepatitis B virus X protein, a protein critical to viral replication. This subunit also interacts with the adenovirus E1A protein and this interaction alters the activity of the proteasome. Finally, this subunit interacts with ataxin-7, suggesting a role for the proteasome in the development of spinocerebellar ataxia type 7, a progressive neurodegenerative disorder.

<b>Target:</b>	26S Proteasome Regulatory Subunit 4 (PSMC1)
<b>Clonality:</b>	Polyclonal
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Tested Applications:</b>	ELISA, WB
<b>Host:</b>	Rabbit
<b>Recommended dilutions:</b>	Optimal dilutions/concentrations should be determined by the end user.
<b>Conjugation:</b>	Unconjugated
<b>Immunogen:</b>	Human PSMC1.
<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>	P62191 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )
<b>Gene Symbol:</b>	PSMC1
<b>GeneID:</b>	<a href="#">5700</a>

# Datasheet

Version: 2.0.0

Revision date: 10 Sep 2025



**OMIM:** [602706](#)

**NCBI Accession:** NP\_001317141.1, NM\_001330212.1, NP\_002793.2, NM\_002802.2

**HGNC:** 9547

**KEGG:** hsa:5700

**Ensembl:** ENSG00000100764

**String:** [9606.ENSP00000261303](#)

**Buffer:** PBS, pH 7.3, containing 0.1% Sodium Azide and 50% 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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