

26S Proteasome Regulatory Subunit 4 (PSMC1) Antibody

Catalogue No.: abx214050

26S Proteasome Regulatory Subunit 4 (PSMC1) Antibody is a Rabbit Polyclonal 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.

Target:	26S Proteasome Regulatory Subunit 4 (PSMC1)
Clonality:	Polyclonal
Reactivity:	Human, Mouse, Rat
Tested Applications:	ELISA, WB, IHC
Host:	Rabbit
Recommended dilutions:	ELISA: 1/1000 - 1/2000, WB: 1/200 - 1/1000, IHC: 1/25 - 1/100. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Fusion protein of human PSMC1.
Isotype:	IgG
Form:	Liquid
Purification:	Antigen Affinity Chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P62191 (UniProt , ExPASy)
Gene Symbol:	PSMC1
GeneID:	5700

Datasheet

Version: 2.0.0

Revision date: 15 Jul 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 7.4, containing 0.05% NaN₃ and 40% Glycerol.

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