

26S Proteasome Regulatory Subunit 7 (PSMC2) Antibody

Catalogue No.: abx242174

26S Proteasome Regulatory Subunit 7 (PSMC2) Antibody is a Rabbit Polyclonal against 26S Proteasome Regulatory Subunit 7 (PSMC2). 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 has been shown to interact with several of the basal transcription factors so, in addition to participation in proteasome functions, this subunit may participate in the regulation of transcription. This subunit may also compete with PSMC3 for binding to the HIV tat protein to regulate the interaction between the viral protein and the transcription complex. Alternative splicing results in multiple transcript variants encoding distinct isoforms.

Target:	26S Proteasome Regulatory Subunit 7 (PSMC2)
Clonality:	Polyclonal
Reactivity:	Human, Mouse, Rat
Tested Applications:	ELISA, WB, IHC
Host:	Rabbit
Recommended dilutions:	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.
Conjugation:	Unconjugated
Immunogen:	Fusion protein of human PSMC2.
Isotype:	IgG
Form:	Liquid
Purification:	Antigen Affinity Chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P35998 (UniProt , ExPASy)
Gene Symbol:	PSMC2
GeneID:	5701

Datasheet

Version: 2.0.0

Revision date: 27 Jul 2025



OMIM: [154365](#)

NCBI Accession: NP_001191382.1, NM_001204453.1, NP_002794.1, NM_002803.3

HGNC: 9548

KEGG: hsa:5701

Ensembl: ENSG00000161057

String: [9606.ENSP00000391211](#)

Buffer: PBS, pH 7.4, containing 0.05% NaN₃ and 40% Glycerol.

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