

26S Proteasome Regulatory Subunit 6A (PSMC3) Antibody

Catalogue No.: abx037813

Rabbit Polyclonal against the 26S Proteasome Regulatory Subunit 6A (PSMC3) protein. 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 that have chaperone-like activity. This subunit may compete with PSMC2 for binding to the HIV tat protein to regulate the interaction between the viral protein and the transcription complex. A pseudogene has been identified on chromosome 9.

Target:	26S Proteasome Regulatory Subunit 6A (PSMC3)
Clonality:	Polyclonal
Reactivity:	Human, Mouse, Rat
Tested Applications:	ELISA, WB
Host:	Rabbit
Recommended dilutions:	ELISA: 1/20000 - 1/80000, WB: 1/500 - 1/2000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	A peptide corresponding to middle region of human PSMC3 protein.
Isotype:	IgG
Form:	Lyophilized
Purification:	Purified by antigen affinity column chromatography.
Reconstitution:	Reconstitute in 100 µl of sterile distilled H ₂ O with 50% glycerol.
Storage:	Store at -20 °C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P17980 (UniProt , ExPASy)
Gene Symbol:	PSMC3

Datasheet

Version: 3.0.0
Revision date: 05 Mar 2025



GeneID:	5702
OMIM:	186852
NCBI Accession:	NM_002804
HGNC:	9549
KEGG:	hsa:5702
Ensembl:	ENSG00000165916
String:	9606.ENSP00000481029
Molecular Weight:	Observed MW: 49 kDa
Buffer:	Prior to lyophilization: 1% BSA and 0.02% NaN ₃ .
Concentration:	Lyophilized form: Not applicable. After reconstitution: 1 mg/ml.
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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