

26S Proteasome Regulatory Subunit 6B (PSMC4) Antibody

Catalogue No.: abx122052

Rabbit Polyclonal against the 26S Proteasome Regulatory Subunit 6B (PSMC4) 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. This gene encodes a member of the triple-A family of ATPases that is a component of the 19S regulatory subunit and plays a role in 26S proteasome assembly. The encoded protein interacts with gankyrin, a liver oncoprotein, and may also play a role in Parkinson's disease through interactions with synphilin-1. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

Target:	26S Proteasome Regulatory Subunit 6B (PSMC4)
Clonality:	Polyclonal
Reactivity:	Human
Tested Applications:	ELISA, WB, IHC
Host:	Rabbit
Recommended dilutions:	ELISA: 1/20000 - 1/80000, WB: 1/500 - 1/2000, IHC: 1/100 - 1/200. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Recombinant fragment corresponding to 24-221 AA of human PSMC4.
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:	P43689 (UniProt , ExPASy)
Gene Symbol:	PSMC4

Datasheet

Version: 3.0.0
Revision date: 07 Jun 2025



GeneID:	5704
OMIM:	602707
NCBI Accession:	NP_006494.1, NM_006503.3, NP_694546.1, NM_153001.2
HGNC:	9551
Ensembl:	ENSG00000013275
String:	9606.ENSP00000157812
Molecular Weight:	Observed MW: 47 kDa
Buffer:	Prior to lyophilization: 1% BSA and 0.02% NaN ₃ .
Specificity:	Predicted to react with Mouse and Rat PSMC4.
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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