

## 26S Proteasome Regulatory Subunit 6A (PSMC3) Antibody

Catalogue No.: abx038460

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.

<b>Target:</b>	26S Proteasome Regulatory Subunit 6A (PSMC3)
<b>Clonality:</b>	Polyclonal
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Tested Applications:</b>	ELISA, WB, IHC
<b>Host:</b>	Rabbit
<b>Recommended dilutions:</b>	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.
<b>Conjugation:</b>	Unconjugated
<b>Immunogen:</b>	A peptide corresponding to middle region of human PSMC3 protein.
<b>Isotype:</b>	IgG
<b>Form:</b>	Lyophilized
<b>Purification:</b>	Purified by antigen affinity column chromatography.
<b>Reconstitution:</b>	Reconstitute in 100 µl of sterile distilled H <sub>2</sub> O with 50% glycerol.
<b>Storage:</b>	Store at -20 °C. Avoid repeated freeze/thaw cycles.
<b>UniProt Primary AC:</b>	P17980 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )
<b>Gene Symbol:</b>	PSMC3

# Datasheet

Version: 3.0.0

Revision date: 25 Apr 2025



<b>GeneID:</b>	<a href="#">5702</a>
<b>OMIM:</b>	<a href="#">186852</a>
<b>NCBI Accession:</b>	NM_002804
<b>HGNC:</b>	9549
<b>KEGG:</b>	hsa:5702
<b>Ensembl:</b>	ENSG00000165916
<b>String:</b>	<a href="#">9606.ENSP00000481029</a>
<b>Molecular Weight:</b>	Observed MW: 49 kDa
<b>Buffer:</b>	Prior to lyophilization: 1% BSA and 0.02% NaN <sub>3</sub> .
<b>Concentration:</b>	Lyophilized form: Not applicable. After reconstitution: 1 mg/ml.
<b>Note:</b>	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.