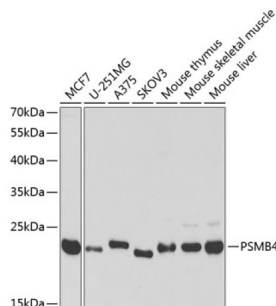


## Proteasome Subunit Beta Type 4 (PSMB4) Antibody

Catalogue No.: abx004358



Western blot analysis of various lysates using PSMB4 Antibody at 1/1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 90s.

PSMB4 Antibody is a Rabbit Polyclonal antibody against PSMB4. The proteasome is a multicatalytic proteinase complex with a highly ordered ring-shaped 20S core structure. The core structure 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. 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 a member of the proteasome B-type family, also known as the T1B family, that is a 20S core beta subunit.

<b>Target:</b>	Proteasome Subunit Beta Type 4 (PSMB4)
<b>Clonality:</b>	Polyclonal
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Tested Applications:</b>	ELISA, WB
<b>Host:</b>	Rabbit
<b>Recommended dilutions:</b>	ELISA: 1 µg/ml, WB: 1/500 - 1/2000. Optimal dilutions/concentrations should be determined by the end user.
<b>Conjugation:</b>	Unconjugated
<b>Immunogen:</b>	Recombinant protein corresponding to PSMB4. The exact sequence is proprietary.
<b>Isotype:</b>	IgG
<b>Form:</b>	Liquid
<b>Purification:</b>	Purified by affinity chromatography.
<b>Storage:</b>	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
<b>UniProt Primary AC:</b>	P28070 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )

# Datasheet

Version: 9.0.0  
Revision date: 15 Jul 2025



**Gene Symbol:** PSMB4

**GeneID:** [5692](#)

**OMIM:** [602177](#)

**NCBI Accession:** NP\_002787.2

**HGNC:** 9541

**KEGG:** hsa:5692

**Ensembl:** ENSG00000159377

**String:** [9606.ENSP00000290541](#)

**Molecular Weight:** Calculated MW: 29 kDa  
Observed MW: 22 kDa

**Buffer:** PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.

**Concentration:** > 0.2 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.