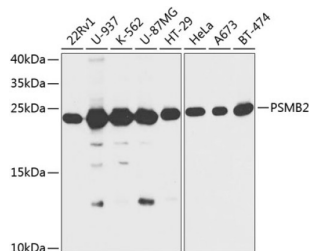
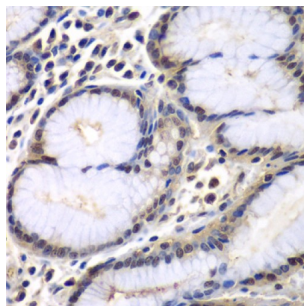


## Proteasome Subunit Beta Type 2 (PSMB2) Antibody

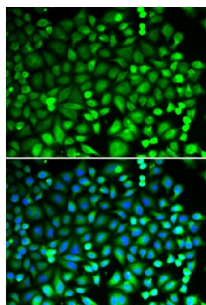
Catalogue No.: abx004200



Western blot analysis of extracts of various cell lines using PSMB2 Antibody (1/1000 dilution).



Immunohistochemistry of paraffin-embedded Human colon using PSMB2 Antibody (1/100 dilution, 40x lens).



Immunofluorescence analysis of MCF-7 cells using PSMB2 Antibody

PSMB2 Antibody is a Rabbit Polyclonal antibody against PSMB2. 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. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

**Target:** Proteasome Subunit Beta Type 2 (PSMB2)

**Clonality:** Polyclonal

**Reactivity:** Human

**Tested Applications:** WB, IHC, IF/ICC

# Datasheet

Version: 5.0.0  
Revision date: 26 Jul 2025



<b>Host:</b>	Rabbit
<b>Recommended dilutions:</b>	WB: 1/500 - 1/2000, IHC-P: 1/50 - 1/200, IF/ICC: 1/50 - 1/200. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.
<b>Conjugation:</b>	Unconjugated
<b>Immunogen:</b>	Recombinant fusion protein corresponding to human PSMB2
<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>	P49721 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )
<b>Gene Symbol:</b>	PSMB2
<b>GeneID:</b>	<a href="#">5690</a>
<b>NCBI Accession:</b>	NP_002785.1
<b>KEGG:</b>	hsa:5690
<b>String:</b>	<a href="#">9606.ENSP00000362334</a>
<b>Molecular Weight:</b>	Calculated MW: 22 kDa Observed MW: 23 kDa
<b>Buffer:</b>	PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.
<b>Concentration:</b>	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.