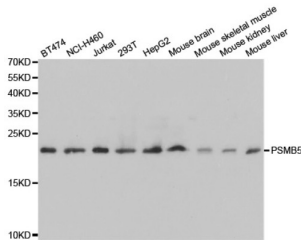
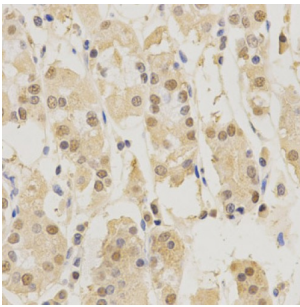


Proteasome Subunit Beta Type 5 (PSMB5) Antibody

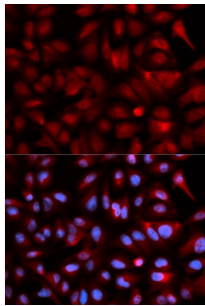
Catalogue No.: abx001609



Western blot analysis of extracts of various cell lines, using PSMB5 antibody (abx001609) at 1/1000 dilution.



Immunohistochemistry of paraffin-embedded human stomach using PSMB5 antibody (abx001609) at dilution of 1/200 (40x lens).



Immunofluorescence analysis of U2OS cells using PSMB5 antibody (abx001609). Blue: DAPI for nuclear staining.

PSMB5 Antibody is a Rabbit Polyclonal antibody against PSMB5. 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 in the proteasome. This catalytic subunit is not present in the immunoproteasome and is replaced by catalytic subunit 3i (proteasome beta 8 subunit). Multiple transcript variants encoding different isoforms have been found for this gene.

Target: Proteasome Subunit Beta Type 5 (PSMB5)

Clonality: Polyclonal

Reactivity: Human, Mouse, Rat

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

Datasheet

Version: 3.0.0
Revision date: 22 Dec 2024



Host:	Rabbit
Recommended dilutions:	WB: 1/2000 - 1/7000, IHC-P: 1/500 - 1/1000, IF/ICC: 1/50 - 1/200, IP: 1/50 - 1/100. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-263 of human PSMB5.
Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P28074 (UniProt , ExpASY)
Gene Symbol:	PSMB5
GeneID:	5693
NCBI Accession:	NP_002788.1
KEGG:	hsa:5693
String:	9606.ENSP00000355325
Molecular Weight:	Calculated MW: 28 kDa Observed MW: 22/28 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.