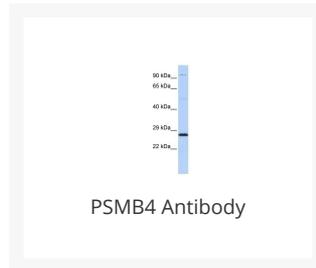




PSMB4 Antibody

Cat. No.: 27-089



Ψ Specifications

HOST SPECIES:	Rabbit
SPECIES REACTIVITY:	Human, Mouse
IMMUNOGEN:	Antibody produced in rabbits immunized with a synthetic peptide corresponding a region of human PSMB4.
TESTED APPLICATIONS:	ELISA, WB
APPLICATIONS:	PSMB4 antibody can be used for detection of PSMB4 by ELISA at 1:312500. PSMB4 antibody can be used for detection of PSMB4 by western blot at 1 µg/mL, and HRP conjugated secondary antibody should be diluted 1:50,000 - 100,000.
POSITIVE CONTROL:	1) Cat. No. 1211 - HepG2 Cell Lysate
PREDICTED MOLECULAR WEIGHT:	29 kDa

Ψ Properties

PURIFICATION:	Antibody is purified by peptide affinity chromatography method.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated
PHYSICAL STATE:	Liquid

BUFFER:	Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
CONCENTRATION:	batch dependent
STORAGE CONDITIONS:	For short periods of storage (days) store at 4 °C. For longer periods of storage, store PSMB4 antibody at -20 °C. As with any antibody avoid repeat freeze-thaw cycles.

Additional Info

OFFICIAL SYMBOL:	PSMB4
ALTERNATE NAMES:	PSMB4, HN3, HsN3, PROS26, PROS-26
ACCESSION NO.:	NP_002787
PROTEIN GI NO.:	22538467
GENE ID:	5692
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.

Background and References

BACKGROUND:	<p>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. PSMB4 is a member of the proteasome B-type family, also known as the T1B family, that is a 20S core beta subunit. 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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.</p>
REFERENCES:	1) Wong, M.L., (er) Mol. Psychiatry (2008) In press.

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