

Rabbit PSME1 Polyclonal Antibody | anti-PSME1 antibody

PSME1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327000	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

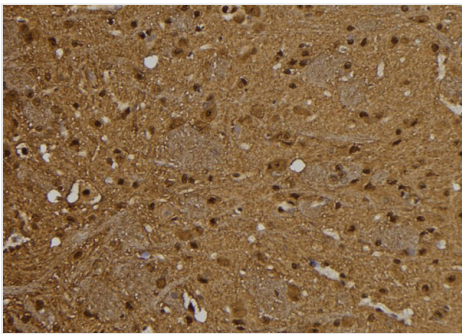
PRODUCT SYNONYMS

PSME1; Polyclonal Antibody; PSME1 Antibody; 11S regulator complex alpha subunit; 11S regulator complex subunit alpha; 29 kD MCP activator subunit; 29kD MCP activator subunit; Activator of multicatalytic protease subunit 1; IFI5111; IGUP I-5111; Interferon gamma IEF SSP 5111; Interferon gamma inducible protein 5111; Interferon gamma up regulated I 5111 protein; Interferon gamma up-regulated I-5111 protein; MGC8628; PA28a; PA28alpha; Proteasome (prosome; macropain) activator subunit 1 (PA28 alpha); Proteasome activator 28 subunit alpha; Proteasome activator complex subunit 1; Proteasome activator subunit 1; PSME1_HUMAN; REG-alpha; REGalpha; anti-PSME1 antibody

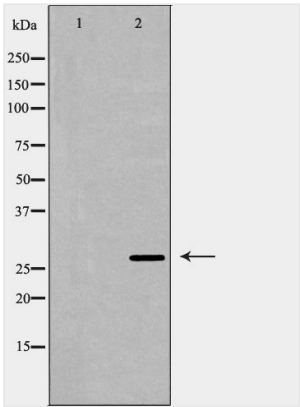
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PSME1 antibody detects endogenous levels of total PSME1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	233
Applicable Applications for anti-PSME1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PSME1
Tissue Specificity	By IFNG/IFN-gamma.
Predicted Cross Reactivity	Pig, Bovine, Sheep, Rabbit
Similarity	Pig (100%), Bovine (100%), Sheep (100%), Rabbit (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA327000 at 1/100 staining Rat brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of Mouse liver tissue lysates, using PSME1 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PSME1 antibody	Description: 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. The immunoproteasome contains an alternate regulator, referred to as the 11S regulator or PA28, that replaces the 19S regulator. Three subunits (alpha, beta and gamma) of the 11S regulator have been identified. This gene encodes the alpha subunit of the 11S regulator, one of the two 11S subunits that is induced by gamma-interferon. Three alpha and three beta subunits combine to form a heterohexameric ring. Alternative splicing results in multiple transcript variants. Function: Implicated in immunoproteasome assembly and required for efficient antigen processing. The PA28 activator complex enhances the generation of class I binding peptides by altering the cleavage pattern of the proteasome. Subunit Structure: Heterodimer of PSME1 and PSME2, which forms a hexameric ring. PSME1 can form homoheptamers. Similarity: Belongs to the PA28 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	528078353
NCBI GeneID	5720
NCBI Accession #	NP_001268457.1
NCBI GenBank Nucleotide #	NM_001281528.1
UniProt Accession #	Q06323; Q6IBM2; Q9UEF4; A6NJC9; H0YNE3
Molecular Weight	Observed: 28 kDa Predicted: 29 kDa
NCBI Official Full Name	proteasome activator complex subunit 1 isoform 3
NCBI Official Synonym Full Names	proteasome activator subunit 1
NCBI Official Symbol	PSME1
NCBI Official Synonym Symbols	PA28A; IFI5111; REGalpha; PA28alpha; HEL-S-129m
NCBI Protein Information	proteasome activator complex subunit 1

UniProt Protein Name	Proteasome activator complex subunit 1
UniProt Gene Name	PSME1
UniProt Synonym Gene Names	IFI5111; REG-alpha; IGUP I-5111; PA28a; PA28alpha

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/psme1-antibody-immunohistochemistry-western-blot-elisa/327000>