

Rabbit PSME2 Polyclonal Antibody | anti-PSME2 antibody

PSME2 Antibody (Center)

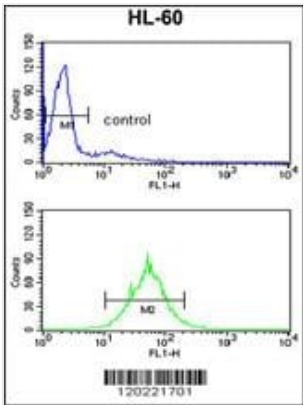
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290135	Rabbit	Human (Predicted Reactivity: Bovine, Mouse, Pig)	Western Blot, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

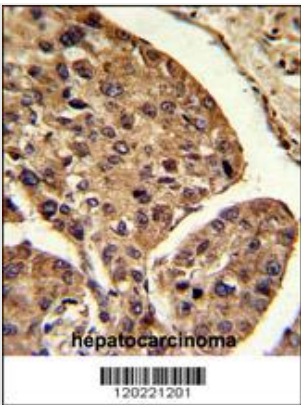
PSME2; Polyclonal Antibody; PSME2 Antibody (Center); Proteasome activator complex subunit 2; 11S regulator complex subunit beta; REG-beta; Activator of multicatalytic protease subunit 2; Proteasome activator 28 subunit beta; PA28b; PA28beta; anti-PSME2 antibody

PRODUCT SPECIFICATIONS

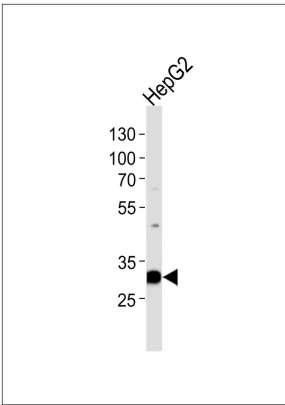
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Mouse, Pig)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PSME2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 61-91 amino acids from the Central region of human PSME2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.48 (varies by lot)
Sequence Positions	61-91
Sequence Length	239
Applicable Applications for anti-PSME2 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



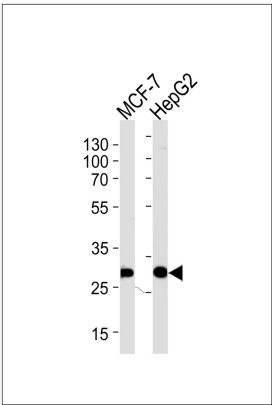
FCM/FACS (Flow Cytometry)
PSME2 Antibody (Center) flow cytometry analysis of HL-60 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded mouse hepatocarcinoma reacted with PSME2 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of lysate from HepG2 cell line, using PSME2 Antibody (Center). AAA290135 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug per lane.



WB (Western Blot)
Western blot analysis of lysates from MCF-7, HepG2 cell line (from left to right), using PSME2 Antibody (Center). AAA290135 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.

ADDITIONAL INFORMATION

Related Product Information for anti-PSME2 antibody	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. PSME2 is the beta subunit of the 11S regulator, one of the two 11S subunits that is induced by gamma-interferon.
Product Categories/Family for anti-PSME2 antibody	Cell Biology
References	Conticello,S.G., Curr. Biol. 13 (22), 2009-2013 (2003)

NCBI AND UNIPROT INFORMATION

NCBI GI #	30410792
NCBI GeneID	5721

NCBI Accession #	NP_002809.2
NCBI GenBank Nucleotide #	NM_002818.2
UniProt Accession #	Q9UL46 ; Q15129
Molecular Weight	27402
NCBI Official Full Name	proteasome activator complex subunit 2
NCBI Official Synonym Full Names	proteasome (prosome, macropain) activator subunit 2 (PA28 beta)
NCBI Official Symbol	PSME2
NCBI Official Synonym Symbols	PA28B; REGbeta; PA28beta
NCBI Protein Information	proteasome activator complex subunit 2
UniProt Protein Name	Proteasome activator complex subunit 2
UniProt Gene Name	PSME2
UniProt Synonym Gene Names	REG-beta; PA28b; PA28beta
UniProt Entry Name	PSME2_HUMAN

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/psme2-antibody-western-blot-flow-cytometry-immunohistochemistry-elisa/290135>