

PSME1 recombinant antibody

PSME1 Recombinant Monoclonal Antibody

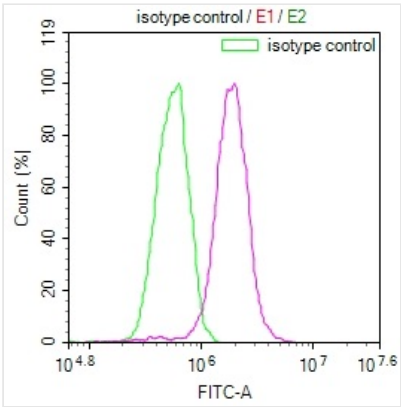
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA278968	HEK293F Cell	Human	Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

PSME1; Monoclonal Recombinant Antibody; PSME1 Recombinant Monoclonal Antibody; Proteasome activator complex subunit 1 (11S regulator complex subunit alpha)(REG-alpha)(Activator of multicatalytic protease subunit 1)(Interferon gamma up-regulated I-5111 protein)(IGUP I-5111)(Proteasome activator 28 subunit alpha)(PA28a)(PA28alpha); IFI5111; PSME1 recombinant antibody

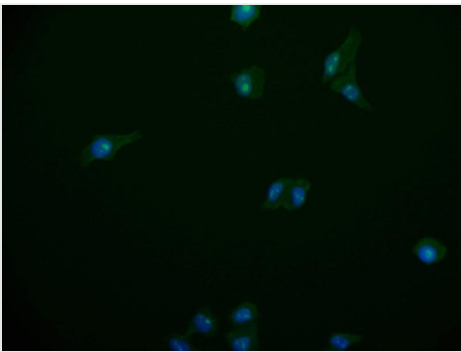
PRODUCT SPECIFICATIONS

Host	HEK293F Cell
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	29D5
Purity/Purification	Affinity purified
Form/Format	Liquid; PBS, 150mM NaCl, 0.02% sodium azide, 50% glycerol, pH 7.4.
Applicable Applications for PSME1 recombinant antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Species	Human
Immunogen	A synthesized peptide derived from Human PSME1
Conjugation	Non-conjugated
Research Area	Cell biology
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.



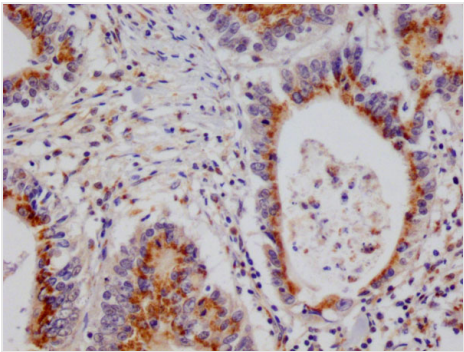
FCM/FACS (Flow Cytometry)

Overlay Peak curve showing HepG2 cells stained with AAA278968 (red line) at 1:100. The cells were fixed in 4% formaldehyde and permeated by 0.2% TritonX-100. Then 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1ug/1*106cells) for 45min at 4?. The secondary antibody used was FITC-conjugated Goat Anti-rabbit IgG(H+L) at 1:200 dilution for 35min at 4?.Control antibody (green line) was rabbit IgG (1ug/1*106cells) used under the same conditions. Acquisition of >10,000 events was performed.



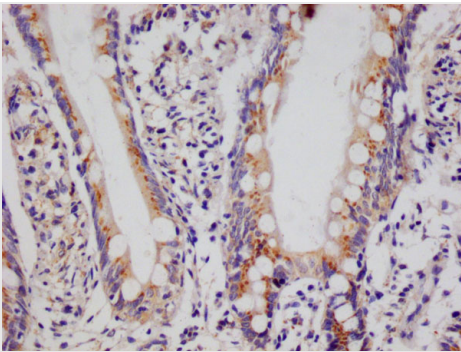
IF (Immunofluorescence)

Immunofluorescence staining of HepG2 cell with AAA278968 at 1:50, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 518-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



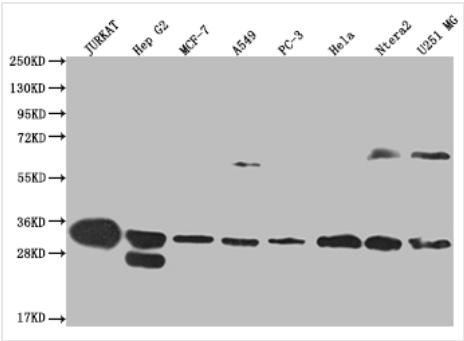
IHC (Immunohistochemistry)

IHC image of AAA278968 diluted at 1:100 and staining in paraffin-embedded human colon cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.05% DAB.



IHC (Immunohistochemistry)

IHC image of AAA278968 diluted at 1:100 and staining in paraffin-embedded human small intestine tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.05% DAB.



WB (Western Blot)

Western BlotPositive WB detected in: Jurkat whole cell lysate, HepG2 whole cell lysate, MCF-7 whole cell lysate, A549 whole cell lysate, PC3 whole cell lysate, HeLa whole cell lysate, Ntera-2 whole cell lysate, U251 whole cell lysateAll lanes: PSME1 antibody at 1:2000SecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 29, 27 kDaObserved band size: 28-30, 55-72 kDa

ADDITIONAL INFORMATION

Related Product Information for PSME1 recombinant antibody	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.
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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	26,870 Da
NCBI Official Full Name	proteasome activator complex subunit 1 isoform 3
NCBI Official Synonym Full Names	proteasome (prosome, macropain) activator subunit 1 (PA28 alpha)
NCBI Official Symbol	PSME1
NCBI Official Synonym Symbols	PA28A; IFI5111; REGalpha; PA28alpha
NCBI Protein Information	proteasome activator complex subunit 1; 11S regulator complex subunit alpha; 29-kD MCP activator subunit; IGUP I-5111; activator of multicatalytic protease subunit 1; interferon gamma up-regulated I-5111 protein; interferon-gamma IEF SSP 5111; interferon-
UniProt Protein Name	Proteasome activator complex subunit 1
UniProt Gene Name	PSME1
UniProt Synonym Gene Names	IFI5111; REG-alpha; IGUP I-5111; PA28a; PA28alpha
UniProt Entry Name	PSME1_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/monoclonal/psme1-recombinant-antibody-clone-29d5-flow-cytometry-immunofluorescence-immunohistochemistry-western-blot-elisa/278968>