

Rabbit anti-Human PSME3 Polyclonal Antibody | anti-PSME3 antibody

Anti-PSME3 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255789	Rabbit	Human	Immunoprecipitation, Immunofluorescence, Immunocytochemistry, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

PSME3; Polyclonal Antibody; Anti-PSME3 Antibody; Rabbit Polyclonal; PSME3 Antibody; Rabbit PAb; Antigen Affinity Purified; proteasome (prosome; macropain) activator subunit 3 (PA28 gamma; Ki); Anti-HEL-S-283 Antibody; Anti-Ki Antibody; Anti-PA28-gamma Antibody; Anti-PA28G Antibody; Anti-PA28gamma Antibody; Anti-REG-GAMMA Antibody; anti-PSME3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PSME3
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-PSME3 antibody	IP (Immunoprecipitation), IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Immunogen	Recombinant Human PSME3 Protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human PSME3 (rh PSME3). PSME3 specific IgG was purified by Human PSME3 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

PSME3 was immunoprecipitated using: Lane A: 0.5 mg Jurkat Whole Cell Lysate; Lane B: 0.5 mg A-431 Whole Cell Lysate; Lane C: 0.5 mg MCF7 Whole Cell Lysate; Lane D: 0.5 mg HepG2 Whole Cell Lysate. 4uL anti-PSME3 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-PSME3 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 29 kDa. Observed band size: 34 kDa.



IF (Immunofluorescence)

Immunofluorescence staining of PSME3 in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-human PSME3 polyclonal antibody (dilution ratio 1:300) at 4 degree C overnight. Then cells were stained with the Alexa Fluor 488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to nucleus.



IHC (Immunohistochemisry)

Immunochemical staining of human PSME3 in human colon carcinoma with rabbit polyclonal antibody at 1:10000 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohiostchemistry)

Immunochemical staining of human PSME3 in human breast carcinoma with rabbit polyclonal antibody at 1:10000 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-PSME3 rabbit polyclonal antibody at 1:500 dilution Lane A: Jurkat Whole Cell Lysate Lane B: HepG2 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 29 kDa Observed band size: 30 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-PSME3 antibody	PSME3, also known as PA28-gamma, is a subunit of proteasome. The 26S proteasome multicatalytic proteinase complex has a highly ordered structure composed of 2 complexes, a 2S core and a 19S regulator. The 2S 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 1 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. PSME3 gene encodes the gamma subunit of the 11S regulator. Six gamma subunits combine to form a homo-hexameric ring.
References	Albertsen HM. et al., 1994, Nat Genet. 7 (4): 472-9. Zhang Zhuo. et al., 2008, EMBO J. 27 (6): 852-64. Coux O. et al., 1996, Annu Rev Biochem. 65: 801-47.

NCBI AND UNIPROT INFORMATION

NCBI GI #	388556516
NCBI GeneID	10197
NCBI Accession #	NP_001253974.1
NCBI GenBank Nucleotide #	NM_001267045.1
UniProt Accession #	P61289; O35563; P97373; Q12920; Q13172; Q9BQD9; A8K9A3
Molecular Weight	29,506 Da
NCBI Official Full Name	proteasome activator complex subunit 3 isoform 3
NCBI Official Synonym Full Names	proteasome (prosome, macropain) activator subunit 3 (PA28 gamma; Ki)
NCBI Official Symbol	PSME3
NCBI Official Synonym Symbols	Ki; PA28G; HEL-S-283; PA28gamma; REG-GAMMA; PA28-gamma
NCBI Protein Information	proteasome activator complex subunit 3; Ki antigen; REG gamma-3; PA28 gamma variant 5; Ki nuclear autoantigen; proteasome activator 28-gamma; 11S regulator complex gamma subunit; 11S regulator complex subunit gamma; epididymis secretory protein Li 283; pr
UniProt Protein Name	Proteasome activator complex subunit 3
UniProt Gene Name	PSME3

UniProt Synonym Gene Names	REG-gamma; PA28g; PA28gamma
UniProt Entry Name	PSME3_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/psme3-antibody-immunoprecipitation-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/255789>