

Rabbit anti-Human PSME2 Polyclonal Antibody | anti-PSME2 antibody

Anti-PSME2 Antibody, Rabbit Polyclonal

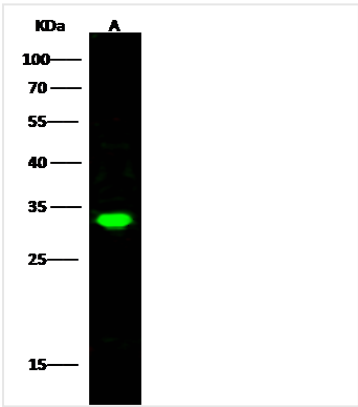
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255782	Rabbit	Human	Immunoprecipitation, ELISA, Western Blot

PRODUCT SYNONYMS

PSME2; Polyclonal Antibody; Anti-PSME2 Antibody; Rabbit Polyclonal; PSME2/PA28b Antibody; Rabbit PAb; Antigen Affinity Purified; proteasome (prosome; macropain) activator subunit 2 (PA28 beta); Anti-PA28B Antibody; Anti-PA28beta Antibody; Anti-REGbeta Antibody; anti-PSME2 antibody

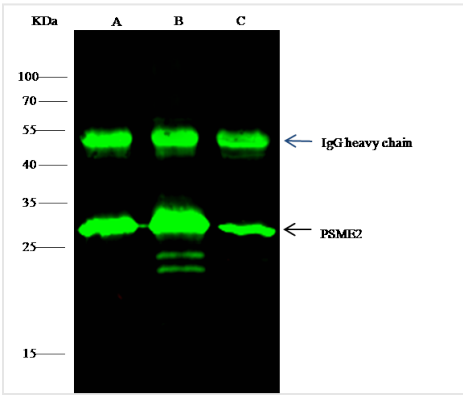
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PSME2/PA28b
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-PSME2 antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Recombinant Human PSME2/PA28b protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human PSME2/PA28b (rh PSME2/PA28b). PSME2/PA28b specific IgG was purified by Human PSME2/PA28b 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.



WB (Western Blot)

Anti-PSME2 rabbit polyclonal antibody at 1:500 dilutionLane A: Hela Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.Developed using the Odyssey technique.Performed under reducing conditions.Predicted band size:26 kDaObserved band size:31 kDa



IP (Immunoprecipitation)

PSME2 was immunoprecipitated using:Lane A:0.5 mg Hela Whole Cell LysateLane B:0.5 mg HepG2 Whole Cell LysateLane C:0.5 mg 293T Whole Cell Lysate2 uL anti-PSME2 rabbit polyclonal antibody and 15 ul of 50 % Protein G agarose.Primary antibody:Anti-PSME2 rabbit polyclonal antibody,at 1:200 dilutionSecondary antibody:Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilutionDeveloped using the odssey technique.Performed under reducing conditions.Predicted band size: 27 kDaObserved band size: 27 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-PSME2 antibody	PSME2, also known as PA28b, 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. PSME2 gene encodes the beta subunit of the 11S regulator, one of the two 11S subunits that is induced by gamma-interferon. Three beta and three alpha subunits combine to form a heterohexameric ring.
References	Ahn K. et al., 1996, J Biol Chem. 271 (30): 18237-42. Rual Jean-Francois. et al., 2005, Nature. 437 (7062): 1173-8. Ahn JY. et al., 1995, FEBS Lett. 366 (1): 37-42.

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.