

Mouse anti-Human PSME2 Monoclonal Antibody | anti-PSME2 antibody

Anti-PSME2 Antibody, Mouse Monoclonal

CATALOG # AAA255781	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunoprecipitation, ELISA, Western Blot
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PRODUCT SYNONYMS

PSME2; Monoclonal Antibody; Anti-PSME2 Antibody; Mouse Monoclonal; PSME2/PA28b Antibody; Mouse MAb; proteasome (prosome; macropain) activator subunit 2 (PA28 beta); Anti-PA28B Antibody; Anti-PA28beta Antibody; Anti-REGbeta Antibody; anti-PSME2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	06
Specificity	Human PSME2/PA28b. No cross-reactivity in ELISA with E Coli cell lysate
Purity/Purification	Protein A
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	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human PSME2/PA28b (rh PSME2/PA28b). The IgG fraction of the cell culture supernatant was purified by Protein A affinity.
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)

PSME2 was immunoprecipitated using: Lane A: 0.5 mg HeLa Whole Cell Lysate; Lane B: 0.5 mg HepG2 Whole Cell Lysate; 2 uL anti-PSME2 mouse monoclonal antibody and 15 uL of 50 % Protein G agarose. Primary antibody: Anti-PSME2 mouse monoclonal antibody, at 1:100 dilution. Secondary antibody: DyLight 800-labeled antibody to Mouse IgG (H+L), at 1:7500 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 27 kDa. Observed band size: 27 kDa.



WB (Western Blot)

Anti-PSME2 mouse monoclonal antibody at 1:500 dilution. Lane A: HeLa Whole Cell Lysate; Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Mouse IgG H&L (DyLight 800) at 1/15000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 27 kDa. Observed band size: 30 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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/psme2-antibody-clone-06-immunoprecipitation-western-blot-elisa/255781>