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

Anti-PSME3 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA258920	**Rabbit**	**Human**	**Immunofluorescence, Immunocytochemistry, Immunohistochemistry, ELISA**

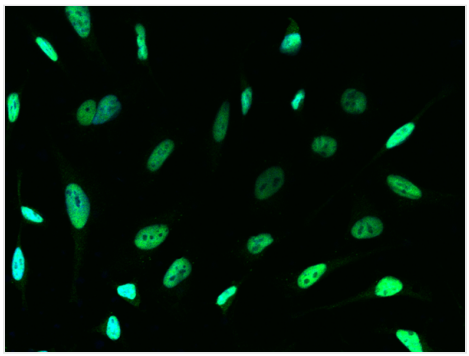
PRODUCT SYNONYMS

PSME3; Polyclonal Antibody; Anti-PSME3 Antibody; Rabbit Polyclonal; 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

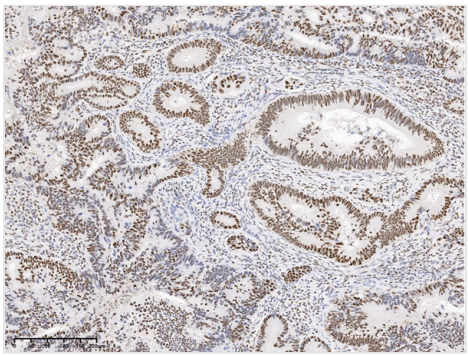
PRODUCT SPECIFICATIONS

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	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human PSME3 Protein
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.

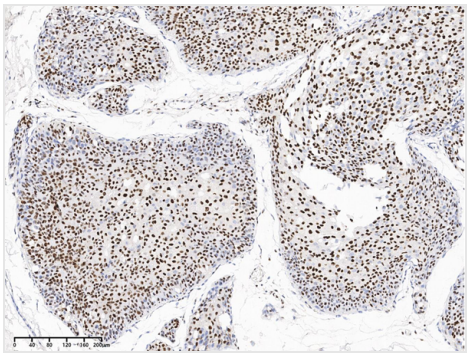
IMAGES



IF (Immunofluorescence)
Immunofluorescence staining of His-PSME3 in HeLa cells. Cells were fixed with 4% PFA, permeabilzed with 0.3% Triton X-100 in PBS,blocked with 10% serum, and incubated with rabbit anti-Human His-PSME3 polyclonal antibody (dilution ratio 1:100) at 4? overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue).Positive staining was localized to Nucleus.



IHC (Immunohiostchemistry)
Immunochemical staining of human PSME3 in human carcinoma of sigmoid with rabbit polyclonal antibody at 1:5000 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)
Immunochemical staining of human PSME3 in human breast carcinoma with rabbit polyclonal antibody at 1:5000 dilution, formalin-fixed paraffin embedded sections.

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 homohexameric 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.

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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