

Rabbit anti-Human Proteasome activator complex subunit 3 Polyclonal Antibody | anti-PSME3 antibody

Rabbit anti-human Proteasome activator complex subunit 3 polyclonal Antibody

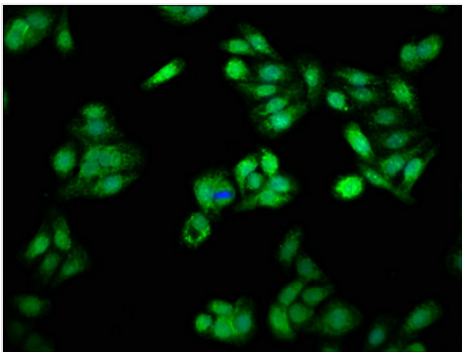
CATALOG # AAA229925	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
-------------------------------	-----------------------	----------------------------	--

PRODUCT SYNONYMS

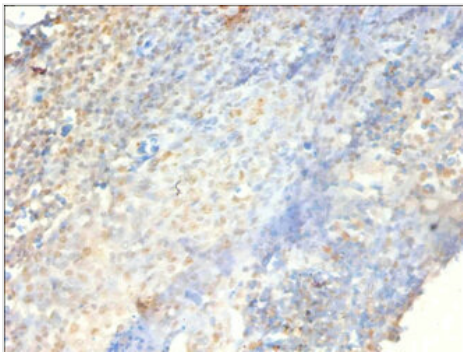
Proteasome activator complex subunit 3; Polyclonal Antibody; Rabbit anti-human Proteasome activator complex subunit 3 polyclonal Antibody; Proteasome activator complex subunit 3 protein; PSME3 ; 11S regulator complex subunit gamma; Short name=REG-gamma; Activator of multicatalytic protease subunit 3; Ki nuclear autoantigen; Proteasome activator 28 subunit gamma; PA28g; PA28gamma; anti-PSME3 antibody

PRODUCT SPECIFICATIONS

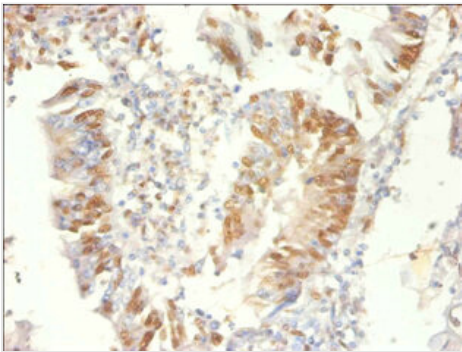
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Form/Format	Liquid
Sequence Length	254
Applicable Applications for anti-PSME3 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant human Proteasome activator complex subunit 3 protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-21274 / sc-21273 / sc-133876
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.



IHC (Immunohistochemisry)
Immunofluorescence staining of HepG2 cells with AAA229925 at 1:66, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



IHC (Immunohiostchemistry)
Immunohistochemistry of paraffin-embedded human tonsil using AAA229925 at dilution 1:100.



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human colorectal carcinoma using AAA229925 at dilution 1:100.

ADDITIONAL INFORMATION

Related Product Information for anti-PSME3 antibody	Subunit of the 11S REG-gamma (also called PA28-gamma) proteasome regulator, a doughnut-shaped homoheptamer which associates with the proteasome. 11S REG-gamma activates the trypsin-like catalytic subunit of the proteasome but inhibits the chymotrypsin-like and postglutamyl-preferring (PGPH) subunits. Facilitates the MDM2-p53/TP53 interaction which promotes ubiquitination- and MDM2-dependent proteasomal degradation of p53/TP53, limiting its accumulation and resulting in inhibited apoptosis after DNA damage. May also be involved in cell cycle regulation. The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S 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 10 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. This gene encodes the gamma subunit of the 11S regulator. Six gamma subunits combine to form a homohexameric ring. Two transcript variants encoding different isoforms have been identified.
Product Categories/Family for anti-PSME3 antibody	Apoptosis

NCBI AND UNIPROT INFORMATION

NCBI GI #	30410794
NCBI GeneID	10197
NCBI Accession #	NP_005780.2
NCBI GenBank Nucleotide #	NM_005789.3
UniProt Accession #	P61289; O35563; P97373; Q12920; Q13172; Q9BQD9; A8K9A3
Molecular Weight	30,890 Da
NCBI Official Full Name	proteasome activator complex subunit 3 isoform 1
NCBI Official Synonym Full Names	proteasome activator subunit 3
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
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/proteasome-activator-complex-subunit-3-antibody-immunohistochemistry-elisa/229925>