

Rabbit PSME1 Polyclonal Antibody | anti-PSME1 antibody

PSME1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA167171	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

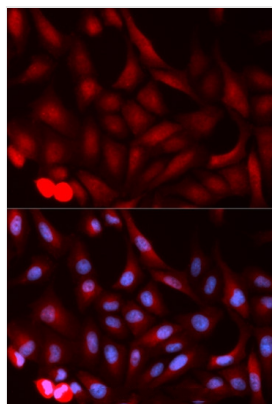
PRODUCT SYNONYMS

PSME1; Polyclonal Antibody; PSME1 Antibody; PA28A; IFI5111; REGalpha; PA28alpha; anti-PSME1 antibody

PRODUCT SPECIFICATIONS

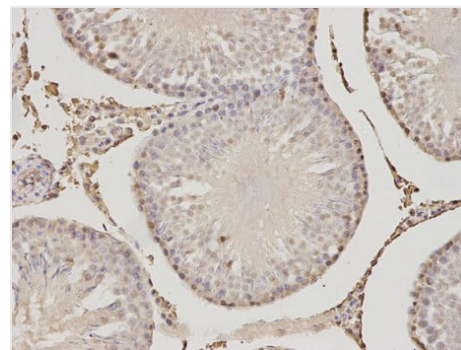
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	1mg/mL (varies by lot)
Sequence Length	249
Applicable Applications for anti-PSME1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human PSME1
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-21267
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES



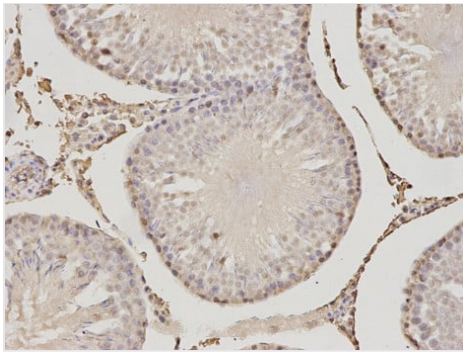
IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cell using PSME1 antibody. Blue: DAPI for nuclear staining.



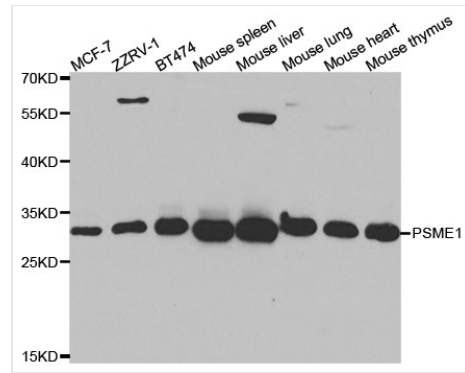
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat testis using PSME1 antibody at dilution of 1:200 (200x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human esophagus using PSME1 antibody at dilution of 1:200 (200x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using PSME1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PSME1 antibody

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 alpha subunit of the 11S regulator, one of the two 11S subunits that is induced by gamma-interferon. Three alpha and three beta subunits combine to form a heterohexameric ring. Alternative splicing results in multiple transcript variants.

NCBI AND UNIPROT INFORMATION

NCBI GI #	49456277
NCBI GeneID	5720
UniProt Accession #	Q6FHU3; Q06323
Molecular Weight	28,709 Da
NCBI Official Full Name	PSME1, partial
NCBI Official Synonym Full Names	proteasome (prosome, macropain) activator subunit 1 (PA28 alpha)
NCBI Official Symbol	PSME1
NCBI Official Synonym Symbols	PA28A; IFI5111; REGalpha; PA28alpha
NCBI Protein Information	proteasome activator complex subunit 1; 11S regulator complex subunit alpha; 29-kD MCP activator subunit; IGUP I-5111; activator of multicatalytic protease subunit 1; interferon gamma up-regulated I-5111 protein; interferon-gamma IEF SSP 5111; interferon-gamma-inducible protein 5111
UniProt Protein Name	PSME1 protein
UniProt Gene Name	PSME1
UniProt Entry Name	Q6FHU3_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/psme1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/167171>