

Rabbit PSMG2 Polyclonal Antibody | anti-PSMG2 antibody

PSMG2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325906	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

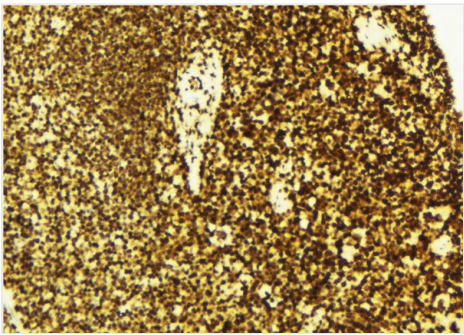
PRODUCT SYNONYMS

PSMG2; Polyclonal Antibody; PSMG2 Antibody; CD40 ligand activated specific transcript 3; CLAST3; HCCA3; Hepatocellular carcinoma susceptibility protein; Hepatocellular carcinoma-susceptibility protein 3; HSPC260; HsT1707; Likely ortholog of mouse CD40 ligand activated specific transcript 3; MDS003; PAC-2; PAC2; proteasome (prosome; macropain) assembly chaperone 2; Proteasome assembly chaperone 2; psmG2; PSMG2_HUMAN; TNFSF5IP1; Tumor necrosis factor superfamily member 5-induced protein 1; anti-PSMG2 antibody

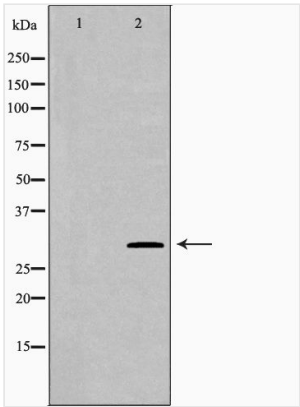
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PSMG2 antibody detects endogenous levels of total PSMG2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	264
Applicable Applications for anti-PSMG2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PSMG2
Subcellular Location	Nucleus.
Tissue Specificity	Widely expressed with highest levels in lung, brain and colon. Moderately expressed in muscle, stomach, spleen and heart. Weakly expressed in small intestine, pancreas and liver. Highly expressed in hepatocellular carcinomas with low levels in surrounding liver tissue.
Predicted Cross Reactivity	Pig, Bovine, Sheep, Rabbit, Dog
Similarity	Pig (100%), Bovine (88%), Sheep (88%), Rabbit (86%), Dog (88%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA325906 at 1/100 staining Mouse spleen tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of 293T lysate using PSMG2 antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PSMG2 antibody	Description: PSMG1 is a chaperone protein which promotes assembly of the 20S proteasome as part of a heterodimer with PSMG2. The PSMG1-PSMG2 heterodimer binds to the PSMA5 and PSMA7 proteasome subunits, promotes assembly of the proteasome alpha subunits into the heteroheptameric alpha ring and prevents alpha ring dimerization. Function: Chaperone protein which promotes assembly of the 20S proteasome as part of a heterodimer with PSMG1. The PSMG1-PSMG2 heterodimer binds to the PSMA5 and PSMA7 proteasome subunits, promotes assembly of the proteasome alpha subunits into the heteroheptameric alpha ring and prevents alpha ring dimerization. Subunit Structure: Forms a heterodimer with PSMG1. The PSMG1-PSMG2 heterodimer interacts directly with the PSMA5 and PSMA7 proteasome alpha subunits. Post-translational Modifications: Degraded by the proteasome upon completion of 20S proteasome maturation. Similarity: Belongs to the PSMG2 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	22726189
NCBI GeneID	56984
NCBI Accession #	NP_064617.2
NCBI GenBank Nucleotide #	NM_020232.4
UniProt Accession #	Q969U7; Q6IAH4; Q9NRV1; B0YJB3; V9GYH7
Molecular Weight	Observed: 29 kDa Predicted: 30 kDa
NCBI Official Full Name	proteasome assembly chaperone 2 isoform 1
NCBI Official Synonym Full Names	proteasome assembly chaperone 2
NCBI Official Symbol	PSMG2
NCBI Official Synonym Symbols	PAC2; HCCA3; CLAST3; MDS003; HsT1707; TNFSF5IP1
NCBI Protein Information	proteasome assembly chaperone 2
UniProt Protein Name	Proteasome assembly chaperone 2
UniProt Gene Name	PSMG2
UniProt Synonym Gene Names	PAC-2

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/psmg2-antibody-immunohistochemistry-western-blot-elisa/325906>