PSMG2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PSMG2, Polyclonal Antibody
Full Product Name	PSMG2, CT (PSMG2, HCCA3, PAC2, TNFSF5IP1, Proteasome assembly chaperone 2, Hepatocellular carcinoma-susceptibility protein 3, Tumor necrosis factor superfamily member 5-induced protein 1) (MaxLight 550)
Product Gene Name	anti-PSMG2 antibody
Product Synonym Names	PSMG2; HCCA3; PAC2; TNFSF5IP1; Proteasome assembly chaperone 2; Hepatocellular carcinoma-susceptibility protein 3; Tumor necrosis factor superfamily member 5-induced protein 1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight550.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight550 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	264
OMIM	609702
3D Structure	ModBase 3D Structure for Q969U7
Immunogen	PSMG2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 224~253 amino acids from the C-terminal region of human PSMG2.
Conjugate	MaxLight550
Note	Preservative Free
Product Categories/Family for anti-PSMG2 antibody	Antibodies; Growth Factors; Cytokines
Applications Tested/Suitable for anti-PSMG2 antibody	Western Blot (WB), FLISA
Application Notes for anti-PSMG2 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-PSMG2 antibody	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.
Product References and Citations for anti-PSMG2 antibody	Cooper, J.D., et al. Nat. Genet. 40(12):1399-1401(2008). Barrett, J.C., et al. Nat. Genet. 40(8):955-962(2008). Miyagawa, H., et al. Rheumatology (Oxford) 47(2):158-164(2008). Parkes, M., et al. Nat. Genet. 39(7):830-832(2007).

Other Notes	Small volumes of anti-PSMG2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PSMG2 purchase	MBS6338355 is an antibody targeting PSMG2. Also known as PSMG2, CT (PSMG2, HCCA3, PAC2, TNFSF5IP1, Proteasome assembly chaperone 2, Hepatocellular carcinoma-susceptibility protein 3, Tumor necrosis factor superfamily member 5-induced protein 1) (MaxLight 550). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PSMG2. It may not necessarily be applicable to this product.

NCBI GI #	74731063
NCBI GeneID	56984
NCBI Accession #	Q969U7.1
UniProt Primary Accession #	Q969U7
UniProt Secondary Accession #	Q6IAH4; Q9NRV1; B0YJB3; V9GYH7
UniProt Related Accession #	Q969U7
NCBI Official Full Name	Proteasome assembly chaperone 2
NCBI Official Synonym Full Names	proteasome (prosome, macropain) assembly chaperone 2
NCBI Official Symbol	PSMG2
NCBI Official Synonym Symbols	PAC2; HCCA3; CLAST3; MDS003; HsT1707; TNFSF5IP1
UniProt Protein Name	Proteasome assembly chaperone 2
UniProt Synonym Protein Names	Hepatocellular carcinoma-susceptibility protein 3; Tumor necrosis factor superfamily member 5-induced protein 1
Protein Family	Proteasome assembly chaperone
UniProt Gene Name	PSMG2
UniProt Synonym Gene Names	PAC-2
UniProt Entry Name	PSMG2_HUMAN
NCBI Protein Information	proteasome assembly chaperone 2; PAC-2; PSMG2; HSPC260; HDCMC29P; x 003 protein; proteasome assembling chaperone 2; CD40 ligand-activated specific transcript 3; hepatocellular carcinoma susceptibility protein; hepatocellular carcinoma-susceptibility prote
UniProt Comments for PSMG2	PSMG2: 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. Belongs to the PSMG2 family. Chromosomal Location of Human Ortholog: 18p11.21 Cellular Component: nucleus Molecular Function: protein binding Biological Process: mitotic cell cycle spindle assembly checkpoint; proteasome assembly; negative regulation of apoptosis
Research Articles on PSMG2	**1.** Observational study of gene-disease association. (HuGE Navigator)

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