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PSMG2 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP9698b

Specification

PSMG2 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q969U7

PSMG2 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 56984

Other Names
Proteasome assembly chaperone 2, PAC-2, Hepatocellular carcinoma-susceptibility protein 3, Tumor necrosis factor superfamily member 5-induced protein 1, PSMG2 {ECO:0000312|EMBL:AAH133561}

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PSMG2 Antibody (C-term) Blocking Peptide - Protein Information

Name PSMG2 {ECO:0000312|EMBL:AAH13356.1}

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.

Cellular Location
Nucleus {ECO:0000250|UniProtKB:Q9EST4}.

Tissue Location
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.

PSMG2 Antibody (C-term) Blocking Peptide - Protocols

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Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

PSMG2 Antibody (C-term) Blocking Peptide - Images

PSMG2 Antibody (C-term) Blocking Peptide - Background

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.

PSMG2 Antibody (C-term) Blocking Peptide - References

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)