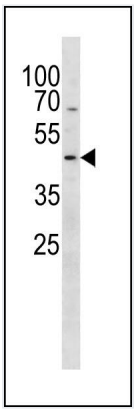
psmc2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PSMC2, Polyclonal Antibody
Full Product Name	PSMC2, NT (PSMC2, MSS1, 26S protease regulatory subunit 7, 26S proteasome AAA-ATPase subunit RPT1, Proteasome 26S subunit ATPase 2, Protein MSS1)
Product Gene Name	anti-psmc2 antibody
Product Synonym Names	Anti -PSMC2, NT (PSMC2, MSS1, 26S protease regulatory subunit 7, 26S proteasome AAA-ATPase subunit RPT1, Proteasome 26S subunit ATPase 2, Protein MSS1)
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2, 0.09% sodium azide.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Human
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Chromosome Location	chromosome: Un
Immunogen	PSMC2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human PSMC2.
Product Categories/Family for anti-psmc2 antibody	Antibodies; Abs to Proteasomes
Applications Tested/Suitable for anti-psmc2 antibody	ELISA (EL/EIA), Western Blot (WB)
Application Notes for anti-psmc2 antibody	Suitable for use in Western Blot, ELISA Dilution: ELISA: 1:1,000 Western Blot: 1:100-500
Related Product Information for anti-psmc2 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. This gene encodes one of the ATPase subunits, a member of the triple-A family of ATPases which have a chaperone-like activity. This subunit has been shown to interact with several of the basal transcription factors so, in addition to participation in proteasome functions, this subunit may participate in the regulation of transcription. This subunit may also compete with PSMC3 for binding to the HIV tat protein to regulate the interaction between the viral protein and the transcription complex.
Other Notes	Small volumes of anti-psmc2 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 psmc2 purchase	MBS6012087 is an antibody targeting psmc2. Also known as PSMC2, NT (PSMC2, MSS1, 26S protease regulatory subunit 7, 26S proteasome AAA-ATPase subunit RPT1, Proteasome 26S subunit ATPase 2, Protein MSS1). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-psmc2 antibody
PSMC2 Antibody (N-term) western blot analysis in Jurkat cell line lysates (35ug/lane).This demonstrates the PSMC2 antibody detected the PSMC2 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for psmc2. It may not necessarily be applicable to this product.

NCBI GI #	45361037
NCBI GeneID	394760
NCBI Accession #	NP_989155.1
GenBank Nucleotide #	NM_203824.1
NCBI Official Full Name	proteasome (prosome, macropain) 26S subunit, ATPase, 2
NCBI Official Synonym Full Names	proteasome (prosome, macropain) 26S subunit, ATPase, 2
NCBI Official Symbol	psmc2
NCBI Protein Information	proteasome (prosome, macropain) 26S subunit, ATPase, 2; proteasome (prosome, macropain) 26S subunit, ATPase, 2; 26S protease regulatory subunit 7
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