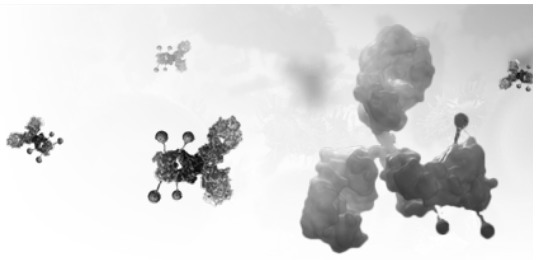

Rabbit Anti-Human PSMD5 Polyclonal Antibody (CABT-L2198)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Proteasome 26S Subunit, Non ATPase 5 (Knockout Validated)
Specificity	The antibody is a rabbit polyclonal antibody raised against PSMD5. It has been selected for its ability to recognize PSMD5 in immunohistochemical staining and western blotting.
Target	PSMD5
Immunogen	Recombinant fragment corresponding to human PSMD5 (Lys143~Arg341)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	Lot specific
Size	200 µg
Buffer	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
Preservative	0.05% Proclin-300

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Storage	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
Ship	4°C with ice bags

BACKGROUND

Introduction	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. This gene encodes a non-ATPase subunit of the 19S regulator base that functions as a chaperone protein during 26S proteasome assembly. [provided by RefSeq, Jul 2012]
Keywords	S5B;26S protease subunit S5 basic

GENE INFORMATION

Gene Name	PSMD5 proteasome (prosome, macropain) 26S subunit, non-ATPase, 5 [Homo sapiens (human)]
Official Symbol	PSMD5
Synonyms	PSMD5; proteasome (prosome, macropain) 26S subunit, non-ATPase, 5; S5B; 26S proteasome non-ATPase regulatory subunit 5; 26S proteasome subunit S5B; 26S protease subunit S5 basic;
Entrez Gene ID	5711
Protein Refseq	NP_001257356
UniProt ID	Q16401
Chromosome Location	9q33.2
Pathway	AMER1 mutants destabilize the destruction complex; APC truncation mutants are not K63 polyubiquitinated; APC truncation mutants have impaired AXIN binding; APC/C-mediated degradation of cell cycle proteins; APC/C:Cdc20 mediated degradation of Securin; APC/C:Cdc20 mediated degradation of mitotic proteins; APC/C:Cdh1 mediated degradation of Cdc20 and other APC/C:Cdh1 targeted proteins in late mitosis/early G1; APC:Cdc20 mediated degradation of cell cycle proteins prior to satisfation of the cell c

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Function	protein binding;

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