



Rabbit Anti-Human PSMB6 Polyclonal Antibody (CABT-L2194)

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

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Proteasome Subunit Beta Type 6 (Knockout Validated)
Specificity	The antibody is a rabbit polyclonal antibody raised against PSMB6. It has been selected for its ability to recognize PSMB6 in immunohistochemical staining and western blotting.
Target	PSMB6
Immunogen	Recombinant fragment corresponding to human PSMB6 (Ala2~Ala239)
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

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 proteasome is a multicatalytic proteinase complex with a highly ordered ring-shaped 20S core structure. The core structure 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. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. The encoded protein is a member of the proteasome B-type family, also known as the T1B family, and is a 20S core beta subunit in the proteasome. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jul 2012]
Keywords	LMPY;Macropain delta chain;Proteasome subunit Y;Multicatalytic endopeptidase complex delta chain

GENE INFORMATION

Gene Name	PSMB6 proteasome (prosome, macropain) subunit, beta type, 6 [Homo sapiens (human)]
Official Symbol	PSMB6
Synonyms	PSMB6; proteasome (prosome, macropain) subunit, beta type, 6; Y; LMPY; DELTA; proteasome subunit beta type-6; proteasome subunit Y; macropain delta chain; proteasome delta chain; proteasome subunit delta; proteasome catalytic subunit 1; PSY large multifunctional protease Y; multicatalytic endopeptidase complex delta chain;
Entrez Gene ID	5694
Protein Refseq	NP_001257410
UniProt ID	A0A087X2I4
Chromosome Location	17p13
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 satisfaction of the cell c

Function

endopeptidase activity; threonine-type endopeptidase activity;
