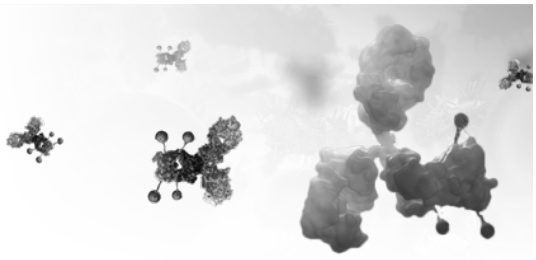

Anti-PSMC6 (aa 290-389) polyclonal antibody (DPAB-DC2562)

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

PRODUCT INFORMATION

Antigen Description	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. Pseudogenes have been identified on chromosomes 8 and 12.
Immunogen	PSMC6 (AAH05390, 290 a.a. ~ 389 a.a) partial recombinant protein with GST tag. The sequence is LRPGRLDRKIHIDLPNEQARLDILKIHAGPITKHGEIDYEAIVKLSDGFNGADLRNVCTE AGMFAIRADHDFVVQEDFMKAVRKVADSKKLESKLDYKPV
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None

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Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	PSMC6 proteasome (prosome, macropain) 26S subunit, ATPase, 6 [Homo sapiens (human)]
Official Symbol	PSMC6
Synonyms	PSMC6; proteasome (prosome, macropain) 26S subunit, ATPase, 6; P44; p42; SUG2; CADP44; HEL-S-73; 26S protease regulatory subunit 10B; proteasome subunit p42; proteasome 26S subunit ATPase 6; conserved ATPase domain protein 44; epididymis secretory protein Li 73; 26S protease regulatory subunit S10B; 26S proteasome AAA-ATPase subunit RPT4;
Entrez Gene ID	5706
Protein Refseq	NP_002797
UniProt ID	A0A087X2I1
Chromosome Location	14q22.1
Pathway	APC/C-mediated degradation of cell cycle proteins; APC/C:Cdc20 mediated degradation of mitotic proteins; AUF1 (hnRNP D0) destabilizes mRNA; Activation of NF-kappaB in B cells
Function	ATP binding; ATPase activity; protein binding; protein binding, bridging

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