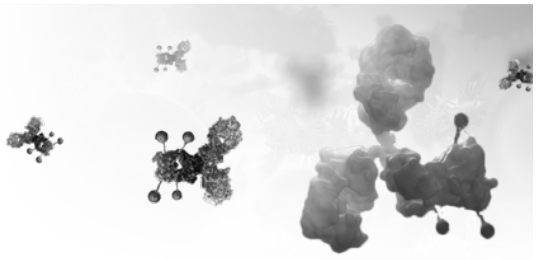

# Anti-PSMB6 (full length) polyclonal antibody (DPAB-DC2542)

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

## PRODUCT INFORMATION

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|---|---|
| **Antigen Description** | 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. |
| **Immunogen** | PSMB6 (AAH00835, 1 a.a. ~ 239 a.a) full-length recombinant protein with GST tag. The sequence is MAATLLAARGAGPAPAWGPEAFTPDWESREVSTGTTIMAVQFDGGVVLGADSRTTTGSYI ANRVTDELTPIHDRIFCCRSGSAADTQAVADAVTYQLGFHSIELNEPPLVHTAASLFKEM CYRYREDLMAGIIIAGWDPQEGGQVYSVPMGGMMVRQSFAIGGSGSSYIYGYVDATYREG MTKEECLQFTANALALAMERDGSSGGVIRLAAIAESGVERQVLLGDQIPKFAVATLPPA |
| **Source/Host** | Mouse |
| **Species Reactivity** | Human |
| **Conjugate** | Unconjugated |
| **Applications** | WB (Recombinant protein), ELISA, |
| **Size** | 50 µl |
| **Buffer** | 50 % glycerol |
| **Preservative** | None |

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

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

# GENE INFORMATION

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|---|---|
| **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** | APC/C-mediated degradation of cell cycle proteins; APC/C:Cdc2 mediated degradation of mitotic proteins; AUF1 (hnRNP D) destabilizes mRNA; Activation of NF-kappaB in B cells. |
| **Function** | endopeptidase activity; threonine-type endopeptidase activity; |

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