

Product datasheet for **AP21517PU-N**

Proteasome subunit beta type 4 (PSMB4) (230-239) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	Peptide ELISA: Detection limit: 1/8000. Western blot: 0.1-0.3 µg/ml. Approx 25-26kDa band observed in lysates of cell lines HEK293, HeLa, and K562 and in Mouse and Rat Liver lysates.
Reactivity:	Bovine, Canine, Human, Mouse, Rabbit, Rat
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Peptide with sequence (230-239) from the internal region of the protein sequence according to NP_002787.2.
Specificity:	Recognizes PSMB4 (aa 230-239).
Formulation:	Tris saline, pH~7.3 State: Aff - Purified State: Liquid purified IgG fraction Stabilizer: 0.5% BSA Preservative: 0.02% Sodium Azide
Concentration:	lot specific
Purification:	Ammonium Sulphate Precipitation followed by Antigen Affinity Chromatography using the immunizing peptide
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	proteasome subunit beta 4
Database Link:	Entrez Gene 5692 Human P28070



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Background:

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. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. This gene encodes a member of the proteasome B-type family, also known as the T1B family, that is a 20S core beta subunit.

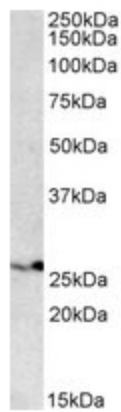
Synonyms:

Proteasome subunit beta type-4, Proteasome beta chain, HsBPROS26, PROS-26, Macropain beta chain, Proteasome chain 3, HsN3

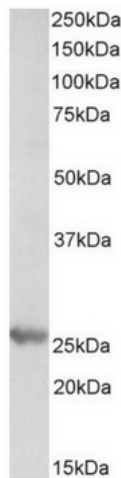
Note:

Calculated Molecular Weight: 29.1kDa (NP_002787.2).

Product images:



PSMB4 antibody staining of HEK293 lysate at 0.1 ug/ml (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



PSMB4 antibody staining of Mouse Liver lysate at 0.3 ug/ml (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.