

Product datasheet for **TA342171**

PSMB10 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-PSMB10 antibody: synthetic peptide directed towards the middle region of human PSMB10. Synthetic peptide located within the following region: DLTGPQLYGVHPHGSYSRLPFTALGSGQDAALAVLEDRFQPNMTLEAAQG
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	25 kDa
Gene Name:	proteasome subunit beta 10
Database Link:	NP_002792 Entrez Gene 5699 Human P40306



[View online »](#)

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. Proteolytic processing is required to generate a mature subunit. Expression of This gene is induced by gamma interferon, and This gene product replaces catalytic subunit 2 (proteasome beta 7 subunit) in The immunoproteasome. [provided by RefSeq, Jul 2008]

Synonyms:

beta2i; LMP10; MECL1

Note:

Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Horse: 93%; Rabbit: 93%; Guinea pig: 93%

Protein Families:

Druggable Genome, Protease

Protein Pathways:

Proteasome

Product images:


WB Suggested Anti-PSMB10 Antibody Titration:
0.2-1 ug/ml; ELISA Titer: 1:1562500; Positive
Control: Human Placenta