

#### OriGene Technologies, Inc.

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# Product datasheet for TA342171

### **PSMB10 Rabbit Polyclonal Antibody**

#### **Product data:**

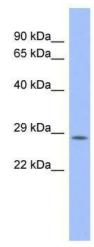
Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
lsotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-PSMB10 antibody: synthetic peptide directed towards the middle region of human PSMB10. Synthetic peptide located within the following region: DLTGPQLYGVHPHGSYSRLPFTALGSGQDAALAVLEDRFQPNMTLEAAQG
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. Note that this product is shipped as lyophilized powder to China customers.
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:	<u>NP_002792</u> <u>Entrez Gene 5699 Human</u> <u>P40306</u>



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	PSMB10 Rabbit Polyclonal Antibody – TA342171
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, isThe processing of class I MHC peptides. This gene encodes a member ofThe proteasome B-type family, also known asThe T1B family, that is a 20S core beta subunit. Proteolytic processing is required to generate a mature subunit. Expression ofThis gene is induced by gamma interferon, andThis gene product replaces catalytic subunit 2 (proteasome beta 7 subunit) inThe immunoproteasome. [provided by RefSeq, Jul 2008]
Synonyms:	beta2i; LMP10; MECL1
Note:	lmmunogen 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 Pathway	s: Proteasome

## **Product images:**



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

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