

## Product datasheet for **TA342161**

### Proteasome 20S alpha 5 (PSMA5) 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-PSMA5 antibody: synthetic peptide directed towards the N terminal of human PSMA5. Synthetic peptide located within the following region: MFLTRSEYDRGVNTFSPEGRLLFQVEYAIEAIKLGSTAIGIQTSEGVCLAV
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:	26 kDa
Gene Name:	proteasome subunit alpha 5
Database Link:	<a href="#">NP_002781</a> <a href="#">Entrez Gene 5686 Human</a> <a href="#">P28066</a>



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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 peptidase T1A family, that is a 20S core alpha subunit. Multiple alternatively spliced transcript variants encoding two distinct isoforms have been found for This gene. [provided by RefSeq, Dec 2010]

**Synonyms:**

PSC5; ZETA

**Note:**

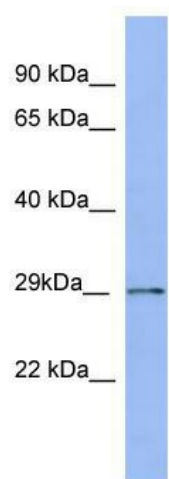
Immunogen Sequence Homology: Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Yeast: 100%; Bovine: 100%; Rabbit: 100%; Zebrafish: 100%; Guinea pig: 100%

**Protein Families:**

Druggable Genome, Protease

**Protein Pathways:**

Proteasome

**Product images:**

WB Suggested Anti-PSMA5 Antibody Titration:  
0.2-1 ug/ml; ELISA Titer: 1:62500; Positive Control:  
Human Thymus