

## Product datasheet for **TA324262**

### PSMD5 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:1000-2000, WB: 1:200-1000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to a region derived from 2-250 amino acids of human proteasome (prosome, macropain) 26S subunit, non-ATPase, 5
Formulation:	PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	56 kDa
Gene Name:	proteasome 26S subunit, non-ATPase 5
Database Link:	<a href="#">NP_001257356</a> <a href="#">Entrez Gene 66998 MouseEntrez Gene 296651 RatEntrez Gene 5711 Human Q16401</a>



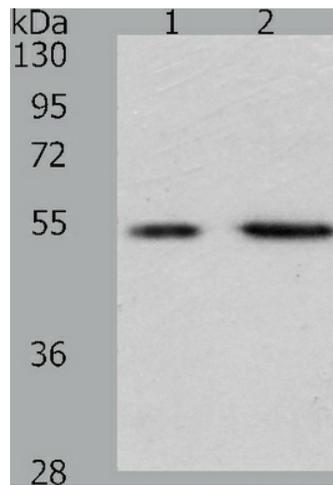
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**Background:**

The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes; a 20S core and a 19S regulator. The 20S core 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. The 19S regulator is composed of a base; which contains 6 ATPase subunits and 2 non-ATPase subunits; and a lid; which contains up to 10 non-ATPase 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. This gene encodes a non-ATPase subunit of the 19S regulator base that functions as a chaperone protein during 26S proteasome assembly.

**Synonyms:**

S5B

**Product images:**

Predicted band size: 56 kDa. Positive control: Human fetal liver and muscle tissue lysate. Recommended dilution: 1/200-1000. (Gel: 10%SDS-PAGE Lane 1: Human fetal liver tissue lysate Lane 2: Human fetal muscle tissue lysate Lysates: 40 ug per lane Primary antibody: 1/150 dilution Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution Exposure time: 2 minutes)