

## Product datasheet for **TA326811**

### PSME3 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB 1:500 - 1:2000
Reactivity:	Human, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein of human PSME3
Formulation:	Store at -20C or -80C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	30 kDa
Gene Name:	proteasome activator subunit 3
Database Link:	<a href="#">NP_005780</a> <a href="#">Entrez Gene 287716 Rat</a> <a href="#">Entrez Gene 10197 Human</a> <a href="#">P61289</a>



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**Background:**

The 20S proteasome is the major proteolytic enzyme complex involved in intracellular protein degradation. PA700, PA28, and PA200 are three major protein complexes that function as activators of the 20S proteasome. There are three evolutionarily conserved subunits of PA28: PA28 $\alpha$  (PSME1), PA28 $\beta$  (PSME2), and PA28 $\gamma$  (PSME3). PA28 $\alpha$  and PA28 $\beta$  form a heteroheptameric complex and function by binding to the 20S complex at its opening site(s). The PA28 $\alpha/\beta$  complex is present throughout the cell and participates in MHC class I antigen presentation by promoting the generation of antigenic peptides from foreign proteins. PA28 $\gamma$  exists in the form of a homoheptamer and is mainly located in the nucleus. The PA28 $\gamma$  complex exerts its function by binding and guiding specific nuclear target proteins to the 20S proteasome for further degradation.

**Synonyms:**

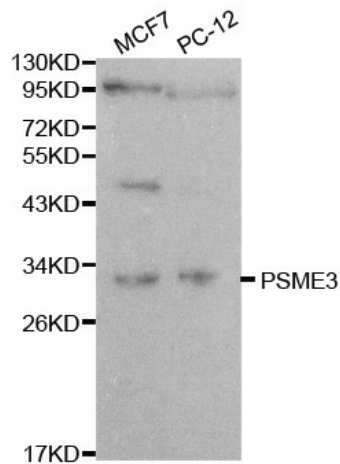
HEL-S-283; Ki; PA28-gamma; PA28G; PA28gamma; REG-GAMMA

**Protein Families:**

Stem cell - Pluripotency

**Protein Pathways:**

Antigen processing and presentation, Proteasome

**Product images:**

Western blot analysis of extracts of various cell lines, using PSME3 antibody.