

Product datasheet for **TA324245S**

PSMD9 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: A549 cells, human liver cancer and fetal kidney tissue IHC: 50-200 Positive control: Human ovarian cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Full length fusion protein
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
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:	25 kDa
Gene Name:	proteasome 26S subunit, non-ATPase 9
Database Link:	NP_001248329 Entrez Gene 67151 MouseEntrez Gene 161475 RatEntrez Gene 5715 Human O00233



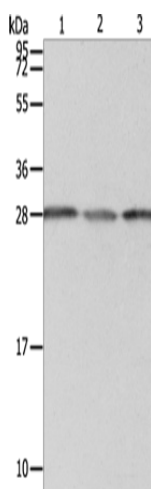
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Background:

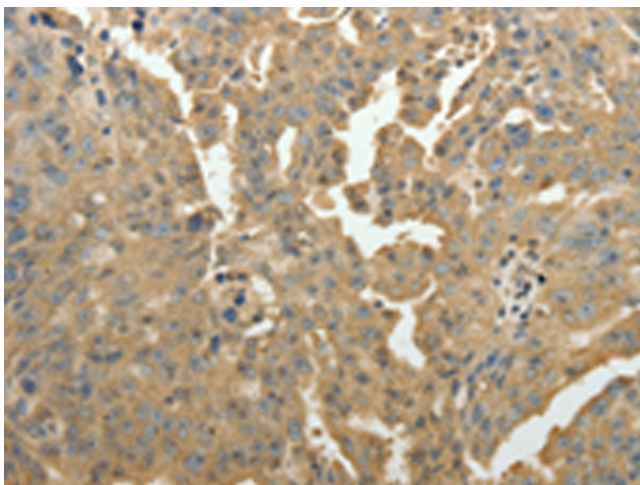
The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. The 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. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. This gene encodes a non-ATPase subunit of the 19S regulator. Three transcript variants encoding two different isoforms have been found for this gene.

Synonyms:

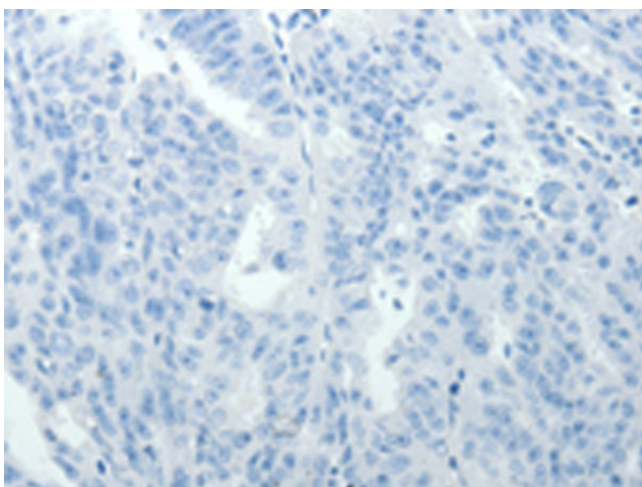
p27; Rpn4

Product images:

Gel: 12%SDS-PAGE
Lysate: 40 µg
Lane 1-3: A549 cells
human liver cancer tissue
Human fetal kidney tissue
Primary antibody: [TA324245] (PSMD9 Antibody)
at dilution 1/800
Secondary antibody: Goat anti rabbit IgG at
1/8000 dilution
Exposure time: 10 seconds



Immunohistochemistry of paraffin-embedded
Human ovarian cancer tissue using [TA324245]
(PSMD9 Antibody) at dilution 1/50 (Original
magnification: x200)



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using [TA324245] (PSMD9 Antibody) at dilution 1/50, treated with fusion protein. (Original magnification: $\times 200$)