

Product datasheet for **TA322952**

PSMD7 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 25-100 Positive control: Human ovarian cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to C terminal 250 amino acids of human proteasome (prosome, macropain) 26S subunit, non-ATPase, 7
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 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.
Gene Name:	proteasome 26S subunit, non-ATPase 7
Database Link:	NP_002802 Entrez Gene 17463 Mouse Entrez Gene 5713 Human P51665



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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. A pseudogene has been identified on chromosome 17.

Synonyms:

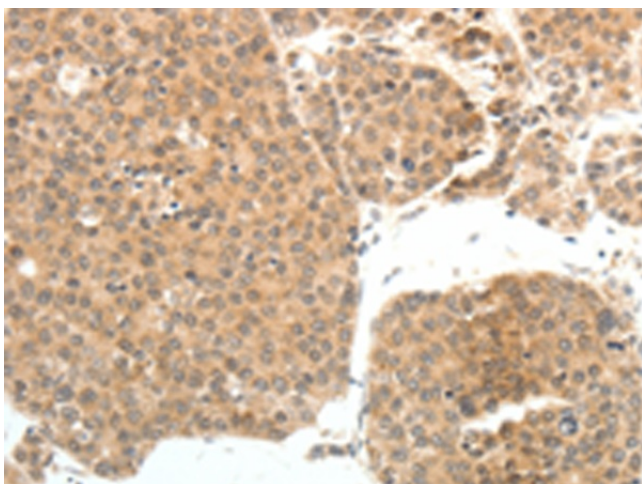
MOV34; P40; Rpn8; S12

Protein Families:

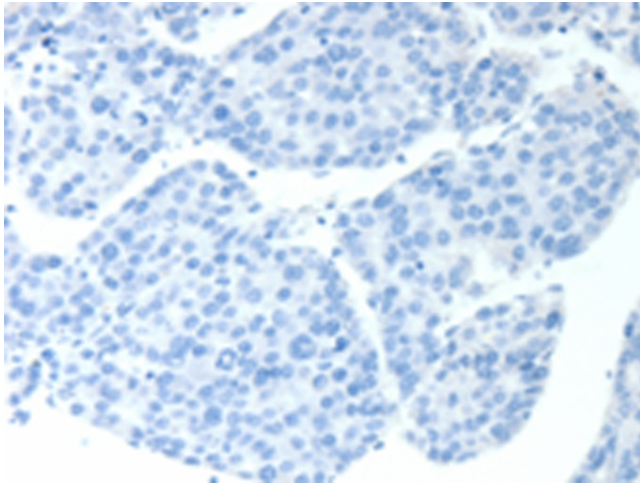
Druggable Genome, Protease

Protein Pathways:

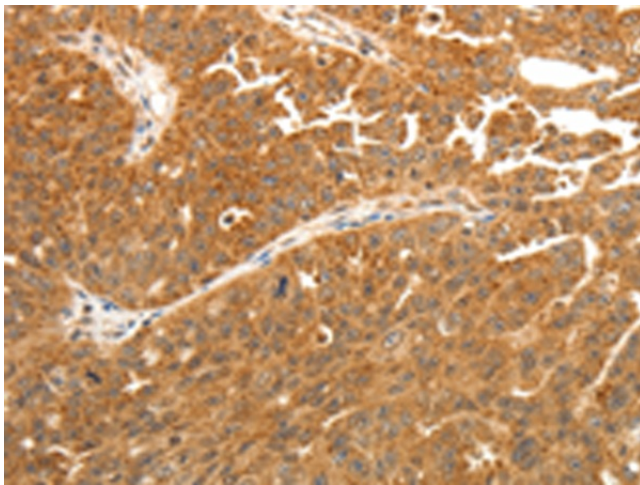
Proteasome

Product images:

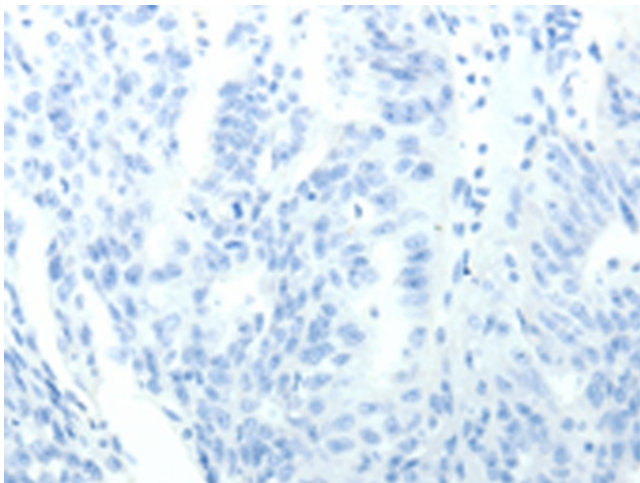
Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using TA322952 (PSMD7 Antibody) at dilution 1/20 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using TA322952 (PSMD7 Antibody) at dilution 1/20, treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA322952 (PSMD7 Antibody) at dilution 1/20 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA322952 (PSMD7 Antibody) at dilution 1/20, treated with fusion protein. (Original magnification: ×200)