

Product datasheet for **TA366447**

Proteasome subunit alpha type 6 (PSMA6) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1000-5000 WB positive control: HepG2, Hela, 293T, Jurkat and A375 cell lysates IHC: 50-200 Positive control: Human colorectal cancer Predicted cell location: Cytoplasm and Nucleus
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human PSMA6
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	27 kDa
Gene Name:	proteasome subunit alpha 6
Database Link:	Entrez Gene 5687 Human P60900



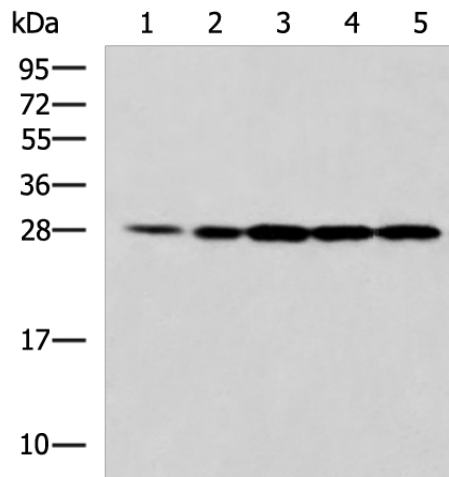
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Background:

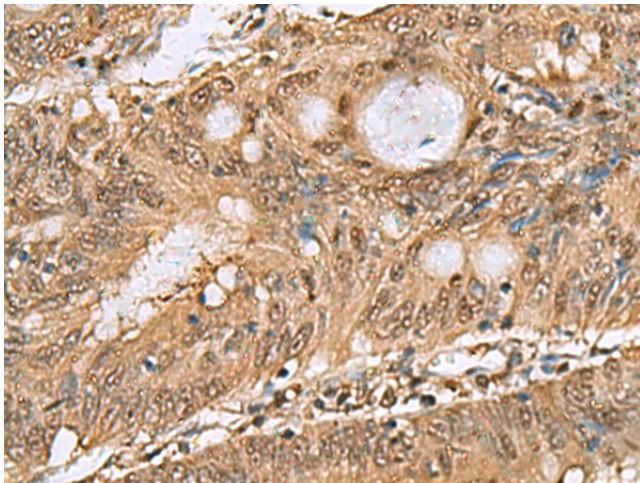
The proteasome is a multicatalytic proteinase complex with a highly ordered ring-shaped 20S core structure. The core structure is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. Proteasomes are distributed throughout 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 transcript variants encoding several different isoforms have been found for this gene. A pseudogene has been identified on the Y chromosome.

Synonyms:

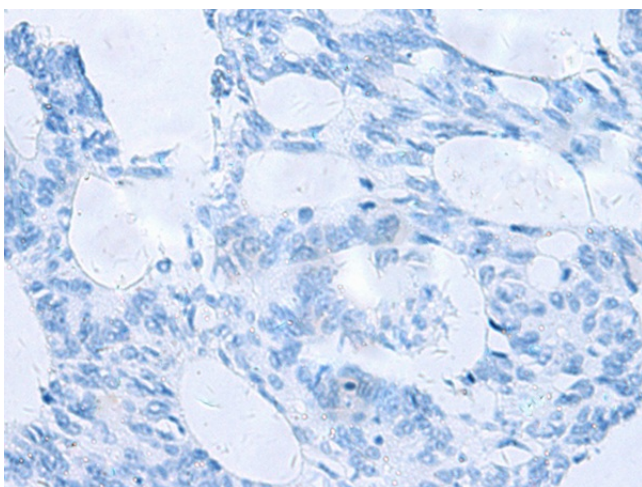
IOTA; MGC2333; MGC22756; MGC23846; p27K; PROS-27; PROS27

Product images:

Gel: 12%SDS-PAGE
Lysate: 40 µg
Lane 1-5: HepG2
Hela
293T
Jurkat and A375 cell lysates
Primary antibody: TA366447 (PSMA6 Antibody) at dilution 1/900
Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution
Exposure time: 90 seconds



Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using TA366447 (PSMA6 Antibody) at dilution 1/65 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using TA366447 (PSMA6 Antibody) at dilution 1/65, treated with fusion protein. (Original magnification: ×200)