

Rabbit Proteasome 20S alpha 7 Polyclonal Antibody

Proteasome 20S alpha 7 antibody

CATALOG # AAA107614	HOST Rabbit	APPLICATIONS Western Blot, Immunohistochemistry
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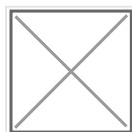
PRODUCT SYNONYMS

Proteasome 20S alpha 7; Polyclonal Antibody; Proteasome 20S alpha 7 antibody; Polyclonal Proteasome 20S alpha 7; Anti-Proteasome 20S alpha 7; C6; proteasome (prosome macropain) subunit alpha type 7; Proteasome S alpha 7 20; Proteasome S alpha 7-20; RC6-1; proteasome subunit RC6-1; PSMA7; MGC3755; proteasome subunit XAPC7; HSPC; XAPC7; proteasome subunit alpha 4; proteasome subunit alpha type-7; anti-Proteasome 20S alpha 7 antibody

PRODUCT SPECIFICATIONS

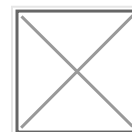
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Proteasome 20S alpha 7 antibody was purified by antigen-affinity chromatography
Form/Format	Supplied as a concentrated solution containing 0.1M Tris, 0.1M Glycine, 20% Glycerol (pH 7.0). 0.01% Thimerosal was added as a preservative.
Concentration	0.86 mg/ml (varies by lot)
Applicable Applications for anti-Proteasome 20S alpha 7 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Biological Significance	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. This particular subunit has been shown to interact specifically with the hepatitis B virus X protein, a protein critical to viral replication. In addition, this subunit is involved in regulating hepatitis virus C internal ribosome entry site activity, an activity essential for viral replication. This core alpha subunit is also involved in regulating the hypoxia-inducible factor-1alpha, a transcription factor important for cellular responses to oxygen tension.
Cross-Reactivity	Human, Mouse
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical staining of paraffin-embedded DLD-1 xenograft using Proteasome 20S alpha 7 antibody at a dilution of 1:100



WB (Western Blot)

Western blot analysis of 30 ug of whole cell lysate (A: A431; B: H1299) using a 12 % SDS PAGE gel and Proteasome 20S alpha 7 antibody at a dilution of 1:1000



WB (Western Blot)

Western blot analysis of 50 ug of whole cell lysate (A: mouse brain) using a 12 % SDS PAGE gel and Proteasome 20S alpha 7 antibody at a dilution of 1:1000

ADDITIONAL INFORMATION

Related Product Information for anti-Proteasome 20S alpha 7 antibody	Affinity purified Rabbit polyclonal Proteasome 20S alpha 7 antibody
Product Categories/Family for anti-Proteasome 20S alpha 7 antibody	Proteases ; Inhibitors ; & Enzymes ; Purified Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

Molecular Weight	28 kDa
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/proteasome-20s-alpha-7-antibody-western-blot-immunohistochemistry-elisa/107614>