

Proteasome Subunit Alpha Type 7 (PSMA7) Antibody

Catalogue No.: abx110127

Proteasome Subunit Alpha Type 7 (PSMA7) Antibody is a Rabbit Polyclonal antibody against Proteasome Subunit Alpha Type 7 (PSMA7). 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. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. This gene encodes a member of the peptidase T1A family that functions as a 20S core alpha subunit. The encoded protein interacts with the hepatitis B virus X protein and plays a role in regulating hepatitis C virus internal ribosome entry site (IRES) activity, an activity essential for viral replication. The encoded protein also plays a role in the cellular stress response by regulating hypoxia-inducible factor-1alpha. A pseudogene of this gene is located on the long arm of chromosome 9.

Target:	Proteasome Subunit Alpha Type 7 (PSMA7)
Clonality:	Polyclonal
Reactivity:	Human, Mouse
Tested Applications:	ELISA, WB, IHC, IF/ICC
Host:	Rabbit
Recommended dilutions:	WB: 1/500 - 1/2000, IHC: 1/20 - 1/200, IF/ICC: 1/50 - 1/200. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Recombinant human Proteasome subunit alpha type-7 protein (5-232AA).
Isotype:	IgG
Form:	Liquid
Purity:	> 95%
Purification:	Purified by Protein G.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	O14818 (UniProt , ExPASy)
Gene Symbol:	PSMA7
GeneID:	5688

Datasheet

Version: 3.0.0

Revision date: 20 Jun 2025



OMIM: [606607](#)

NCBI Accession: NP_002783.1, NM_002792.3

KEGG: hsa:5688

String: [9606.ENSP00000359910](#)

Buffer: 0.01 M PBS, pH 7.4, 0.03% Proclin-300 and 50% Glycerol.

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