

## Proteasome Subunit Alpha Type 7 (PSMA7) Antibody (Biotin)

Catalogue No.: abx105810

Proteasome Subunit Alpha Type 7 (PSMA7) Antibody (Biotin) is a Rabbit Polyclonal antibody against Proteasome Subunit Alpha Type 7 (PSMA7) conjugated to Biotin. 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.

<b>Target:</b>	Proteasome Subunit Alpha Type 7 (PSMA7)
<b>Clonality:</b>	Polyclonal
<b>Reactivity:</b>	Human
<b>Tested Applications:</b>	ELISA
<b>Host:</b>	Rabbit
<b>Recommended dilutions:</b>	Optimal dilutions/concentrations should be determined by the end user.
<b>Conjugation:</b>	Biotin
<b>Immunogen:</b>	Recombinant human Proteasome subunit alpha type-7 protein (5-232AA).
<b>Isotype:</b>	IgG
<b>Form:</b>	Liquid
<b>Purity:</b>	> 95%
<b>Purification:</b>	Purified by Protein G.
<b>Storage:</b>	Aliquot and store at -20°C. Avoid exposure to light. Avoid repeated freeze/thaw cycles.
<b>UniProt Primary AC:</b>	O14818 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )
<b>Gene Symbol:</b>	PSMA7
<b>GeneID:</b>	<a href="#">5688</a>

# Datasheet

Version: 5.0.0

Revision date: 31 Jul 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.

**Note:** THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only