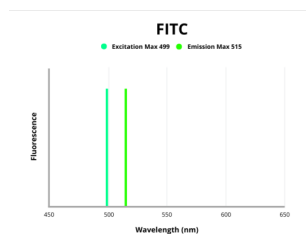


## Proteasome Subunit Alpha Type 7 (PSMA7) Antibody (FITC)

Catalogue No.: abx107227



Fluorescence emission spectra of FITC.

Proteasome Subunit Alpha Type 7 (PSMA7) Antibody (FITC) is a Rabbit Polyclonal antibody against Proteasome Subunit Alpha Type 7 (PSMA7) conjugated to FITC. 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>Host:</b>	Rabbit
<b>Recommended dilutions:</b>	Optimal dilutions/concentrations should be determined by the end user.
<b>Conjugation:</b>	FITC
<b>Excitation/Emission:</b>	499/515
<b>Laser Line:</b>	488
<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%

# Datasheet

Version: 4.0.0  
Revision date: 13 Aug 2025



<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>
<b>OMIM:</b>	<a href="#">606607</a>
<b>NCBI Accession:</b>	NP_002783.1, NM_002792.3
<b>KEGG:</b>	hsa:5688
<b>String:</b>	<a href="#">9606.ENSP00000359910</a>
<b>Buffer:</b>	0.01 M PBS, pH 7.4, 0.03% Proclin-300 and 50% Glycerol.
<b>Note:</b>	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.