

Product datasheet

Anti-PSMA7 antibody ab88977

2 Images

Overview

<b>Product name</b>	Anti-PSMA7 antibody
<b>Description</b>	Mouse polyclonal to PSMA7
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Full length protein corresponding to Human PSMA7. Database link: <a href="#">O14818</a>
<b>Positive control</b>	Human liver lysate

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: None Constituents: Whole serum
<b>Purity</b>	Whole antiserum
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab88977** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/1000. Predicted molecular weight: 28 kDa.

Target

## Function

The proteasome is a multicatalytic proteinase complex which is characterized by its ability to cleave peptides with Arg, Phe, Tyr, Leu, and Glu adjacent to the leaving group at neutral or slightly basic pH. The proteasome has an ATP-dependent proteolytic activity. Plays an important role in the regulation of cell proliferation or cell cycle control, transcriptional regulation, immune and stress response, cell differentiation, and apoptosis. Interacts with some important proteins involved in transcription factor regulation, cell cycle transition, viral replication and even tumor initiation and progression. Inhibits the transactivation function of HIF-1A under both normoxic and hypoxia-mimicking conditions. The interaction with EMAP2 increases the proteasome-mediated HIF-1A degradation under the hypoxic conditions. Plays a role in hepatitis C virus internal ribosome entry site-mediated translation. Mediates nuclear translocation of the androgen receptor (AR) and thereby enhances androgen-mediated transactivation. Promotes MAVS degradation and thereby negatively regulates MAVS-mediated innate immune response.

## Sequence similarities

Belongs to the peptidase T1A family.

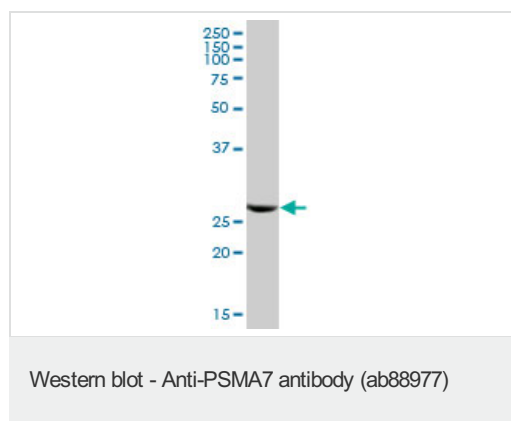
## Post-translational modifications

Phosphorylation by ABL1 or ABL2 leads to an inhibition of proteasomal activity and cell cycle transition blocks.

## Cellular localization

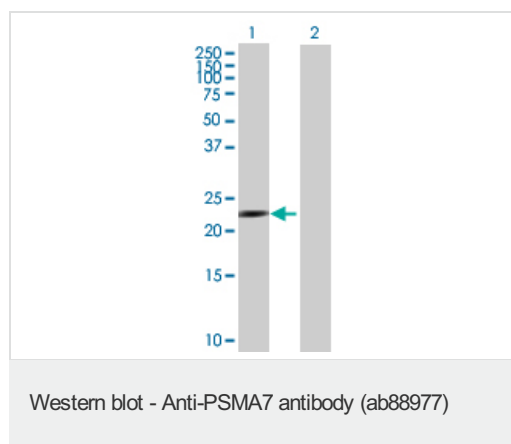
Cytoplasm. Nucleus.

## Images



Anti-PSMA7 antibody (ab88977) at 1/500 dilution + Human liver lysate at 50  $\mu$ g

**Predicted band size:** 28 kDa



**All lanes :** Anti-PSMA7 antibody (ab88977) at 1/500 dilution

**Lane 1 :** PSMA7-transfected 293T cell lysate

**Lane 2 :** Non transfected lysate

Lysates/proteins at 25  $\mu$ g per lane.

**Predicted band size:** 28 kDa

**Observed band size:** 28 kDa

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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