

Datasheet for ABIN7164964  
**anti-PSMA7 antibody (AA 5-232)**[Go to Product page](#)

## 6 Images

## Overview

Quantity:	100 µg
Target:	PSMA7
Binding Specificity:	AA 5-232
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PSMA7 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant Human Proteasome subunit alpha type-7 protein (5-232AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	>95%, Protein G purified

## Target Details

Target:	PSMA7
Alternative Name:	PSMA7 ( <a href="#">PSMA7 Products</a> )
Background:	Background: 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

## Target Details

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

Aliases: C6 antibody, HSPC antibody, MGC3755 antibody, OTTHUMP00000031449 antibody, OTTHUMP00000031450 antibody, OTTHUMP00000031453 antibody, Proteasome (prosome macropain) subunit alpha type 7 antibody, Proteasome alpha 7 subunit antibody, Proteasome subunit alpha 4 antibody, Proteasome subunit alpha type 7 antibody, Proteasome subunit alpha type-7 antibody, Proteasome subunit RC6 1 antibody, Proteasome subunit RC6-1 antibody, Proteasome subunit XAPC7 antibody, PSA7\_HUMAN antibody, PSMA 7 antibody, PSMA7 antibody, RC6 1 antibody, XAPC7 antibody

UniProt: [O14818](#)

Pathways: [Mitotic G1-G1/S Phases](#), [DNA Replication](#), [Synthesis of DNA](#)

## Application Details

Application Notes: Recommended dilution: WB:1:500-1:2000, IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

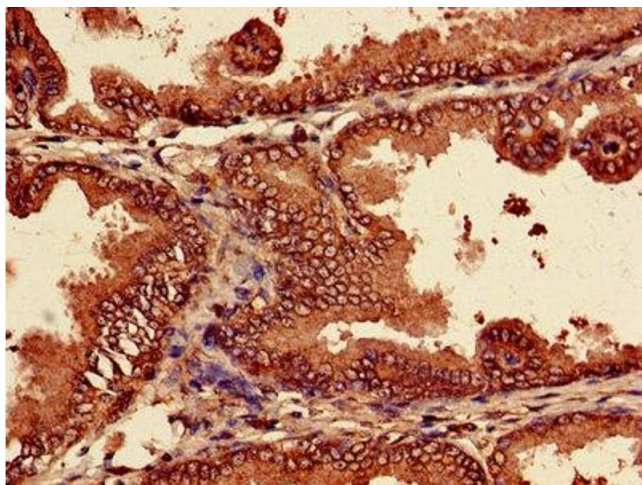
Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Handling

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

## Images



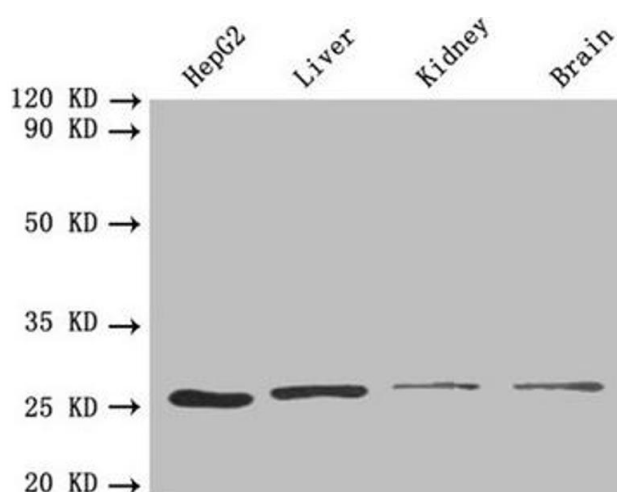
### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human prostate cancer using ABIN7164964 at dilution of 1:100



### Western Blotting

**Image 2.** Western blot All lanes: PSMA7 antibody at 2 µg/mL + 293T whole cell lysate Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 28, 21, 17 kDa Observed band size: 28 kDa



### Western Blotting

**Image 3.** Western blot All lanes: PSMA7 antibody at 1.6 µg/mL Lane 1: HepG2 whole cell lysate Lane 2: Mouse liver tissue Lane 3: Mouse kidney tissue Lane 4: Mouse brain tissue Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 28, 21, 17 kDa Observed band size: 28 kDa

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN7164964.