

For Research Use Only

# PSMA7 Monoclonal antibody, PBS Only

Catalog Number: 67817-1-PBS

Featured Product



## Basic Information

Catalog Number:

67817-1-PBS

Size:

1mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG7821

GenBank Accession Number:

BC004427

GeneID (NCBI):

5688

UNIPROT ID:

O14818

Full Name:

proteasome (prosome, macropain)  
subunit, alpha type, 7

Calculated MW:

28 kDa

Observed MW:

28-30 kDa

Purification Method:

Protein G purification

CloneNo.:

1F2C6

## Applications

Tested Applications:

WB, IHC, IF/ICC, FC (Intra), Indirect ELISA

Species Specificity:

human, mouse, rat

## Background Information

PSMA7 (Proteasome subunit alpha type-7) is also named HSPC and belongs to the peptidase T1A family. It is an  $\alpha$ -type subunit of the 20S proteasome core complex and participates in degrading proteins through the ubiquitin-proteasome pathway (UPP) which plays an important role in the regulation of cell proliferation or cell cycle control, transcriptional regulation, immune and stress response, cell differentiation, and apoptosis (PMID: 19442227).

## Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

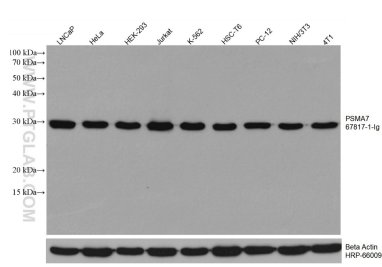
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

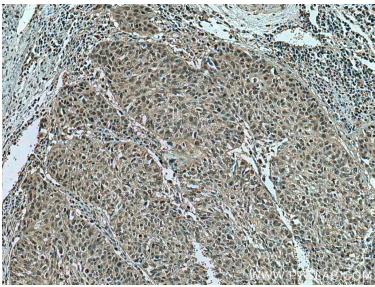
W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

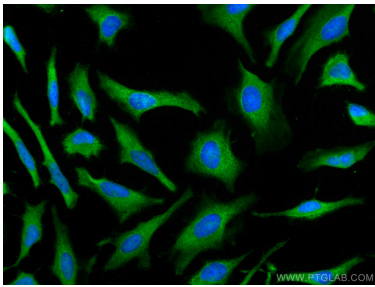
Selected Validation Data



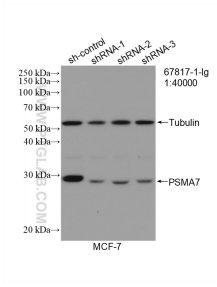
Various lysates were subjected to SDS PAGE followed by western blot with 67817-1-Ig (PSMA7 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control. This data was developed using the same antibody clone with 67817-1-PBS in a different storage buffer formulation.



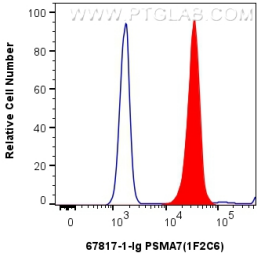
Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 67817-1-Ig (PSMA7 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67817-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using PSMA7 antibody (67817-1-Ig, Clone: 1F2C6) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67817-1-PBS in a different storage buffer formulation.



WB result of PSMA7 antibody (67817-1-Ig; 1:40000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PSMA7 transfected MCF-7 cells. This data was developed using the same antibody clone with 67817-1-PBS in a different storage buffer formulation.



1x10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug PSMA7 Monoclonal antibody (67817-1-Ig, Clone:1F2C6) and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1)(red), or 0.4 ug Mouse IgG1 isotype control Mouse McAb (66360-1-Ig, Clone: 1F8D3) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 67817-1-PBS in a different storage buffer