

For Research Use Only

# BMSC UbP Polyclonal antibody, PBS Only

Catalog Number: 11564-1-PBS



## Basic Information

**Catalog Number:**

11564-1-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG2130

**GenBank Accession Number:**

BC030055

**GeneID (NCBI):**

84993

**UNIPROT ID:**

Q96S82

**Full Name:**

ubiquitin-like 7 (bone marrow stromal cell-derived)

**Calculated MW:**

380 aa, 41 kDa

**Observed MW:**

41 kDa

**Purification Method:**

Antigen affinity purification

## Applications

**Tested Applications:**

WB, IHC, IF/ICC, IP, Indirect ELISA

**Species Specificity:**

human, mouse, rat

## Background Information

Ubiquitin is an important cellular signal that targets proteins for degradation or regulates their functions. UBL7 (ORF name SB132) encodes ubiquitin-like protein7 also named bone marrow stromal cell ubiquitin-like protein (BMSC-UbP) capable of binding ubiquitin. BMSC-UbP protein is derived from bone marrow stromal cells containing a ubiquitin-associated (UBA) domain at the C terminus that has been implicated in linking cellular processes and the ubiquitin system. BMSC-UbP mRNA is widely expressed in human multiple tissues and various tumor cell lines and is decreased in BMSC stimulated with phorbol myristate acetate (PMA) suggesting a role in regulation of BMSC function.

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS only, pH7.3

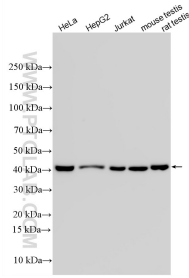
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

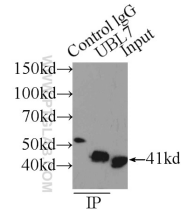
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

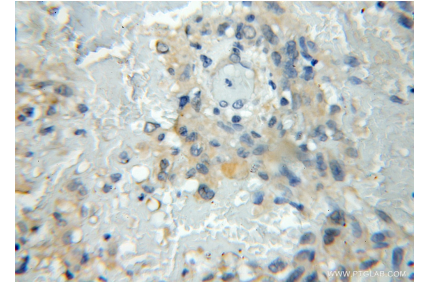
## Selected Validation Data



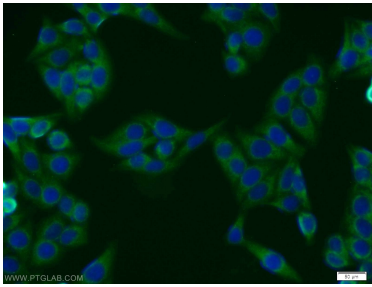
Various lysates were subjected to SDS PAGE followed by western blot with 11564-1-AP (BMSC UbP antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 11564-1-PBS in a different storage buffer formulation.



IP result of anti-BMSC UbP (IP:11564-1-AP, 4ug; Detection:11564-1-AP 1:1000) with HeLa cells lysate 2000ug. This data was developed using the same antibody clone with 11564-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human gliomas using 11564-1-AP (BMSC UbP antibody) at dilution of 1:50 (under 10x lens). This data was developed using the same antibody clone with 11564-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of HepG2 cells using 11564-1-AP (BMSC UbP antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 11564-1-PBS in a different storage buffer formulation.