

# BMSC UbP Polyclonal antibody

Catalog Number: 11564-1-AP

## Basic Information

**Catalog Number:**

11564-1-AP

**Size:**

150ul, Concentration: 200 ug/ml by Nanodrop and 167 ug/ml by Bradford method using BSA as the standard;

**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

**Recommended Dilutions:**

WB 1:500-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

IF/ICC 1:10-1:100

## Applications

**Tested Applications:**

WB, IHC, IF/ICC, IP, ELISA

**Species Specificity:**

human, mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

WB : mouse testis tissue, HeLa cells, HepG2 cells, Jurkat cells, rat testis tissue

IP : HeLa cells,

IHC : human gliomas tissue,

IF/ICC : HepG2 cells,

## 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 -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

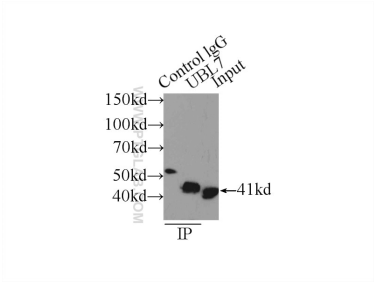
For technical support and original validation data for this product please contact:

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

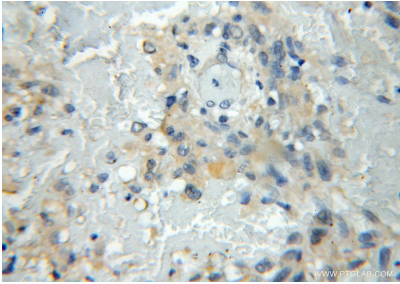
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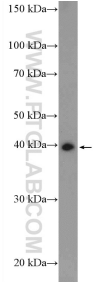
Selected Validation Data



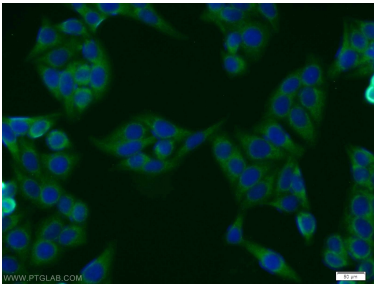
IP result of anti-BMSC UbP (IP:11564-1-AP, 4ug; Detection:11564-1-AP 1:1000) with HeLa cells lysate 2000ug.



Immunohistochemical analysis of paraffin-embedded human gliomas using 11564-1-AP (BMSC UbP antibody) at dilution of 1:50 (under 10x lens).



mouse testis tissue were subjected to SDS PAGE followed by western blot with 11564-1-AP (BMSC UbP antibody at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HepG2 cells using 11564-1-AP (BMSC UbP antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).