

For Research Use Only

BMSC UbP Polyclonal antibody

Catalog Number: 11564-1-AP



Basic Information

Catalog Number: 11564-1-AP	GenBank Accession Number: BC030055	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 200 µg/ml by Nanodrop and 167 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 84993	Recommended Dilutions: WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
Source: Rabbit	Full Name: ubiquitin-like 7 (bone marrow stromal cell-derived)	IHC 1:20-1:200 IF 1:10-1:100
Isotype: IgG	Calculated MW: 380 aa, 41 kDa	
Immunogen Catalog Number: AG2130	Observed MW: 41 kDa	

Applications

Tested Applications:

IF, IHC, IP, WB, 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: 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

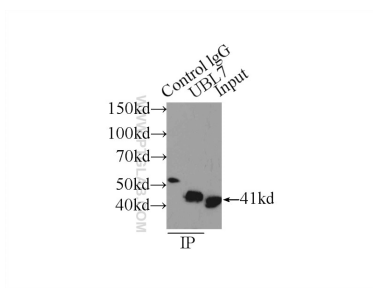
For technical support and original validation data for this product please contact:

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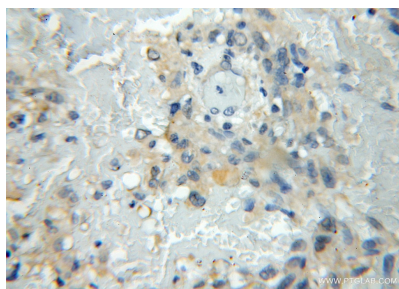
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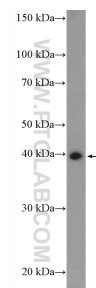
Selected Validation Data



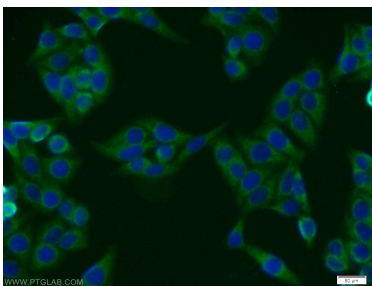
IP Result of anti-BMSC UbP (IP:11564-1-AP, 4ug; Detection:11564-1-AP 1:1000) with HeLa cells lysate 2000ug.



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 AffiniPure Goat Anti-Rabbit IgG(H+L).