For Research Use Only

SH3BP1 Monoclonal antibody

Catalog Number:68328-1-Ig

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Basic Information

Catalog Number:
68328-1-Ig

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG15165

GenBank Accession Number:
BC008282

GeneID (NCBI):
23616

UNIPROT ID:
Q9Y3L3

Full Name:
SH3-domain binding protein 1

Calculated MW:
701 aa, 76 kDa

Observed MW:
76-80 kDa

Purification Method:
Protein A purification

CloneNo.:
1B12C6

Recommended Dilutions:
WB: 1:5000-1:50000
IF/ICC: 1:1000-1:4000
FC (Intra): 0.40 ug per 10^6 cells in a 100 µl suspension

Applications

Tested Applications:
WB, IF/ICC, FC (Intra), ELISA

Species Specificity:
human, mouse, rat

Positive Controls:

WB : HSC-T6 cells, LNCaP cells, HepG2 cells, Jurkat cells, NIH/3T3 cells, 4T1 cells

IF/ICC : HeLa cells,

FC (Intra) : HepG2 cells,

Background Information

SH3BP1 is also named as Chimeric SH3BP1-PDXP protein and BARGIN, and belongs to the to the RhoGAP family. SH3BP1 can be as a partner of the exocyst complex and establish a physical and functional link between two motility-driving pathways, the Ral/exocyst and Rac signaling pathways. (PMID:21658605). SH3BP1 localizes together with the exocyst to the leading edge of motile cells and that SH3BP1 regulates cell migration via its GAP activity upon Rac1.

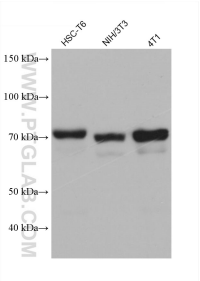
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

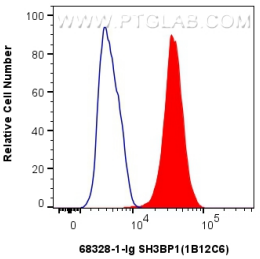
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

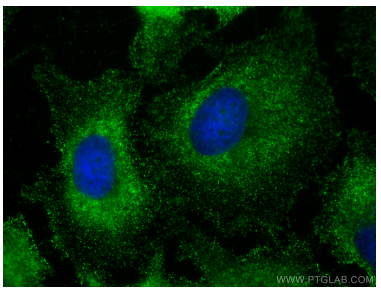
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68328-1-Ig (SH3BP1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1x10^6 HepG2 cells were intracellularly stained with 0.4 ug SH3BP1 Monoclonal antibody (68328-1-Ig, Clone:1B12C6) and CoraLite®488-Conjugated AffiniPure 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 with 4% PFA and permeabilized with Flow Cytometry Perm Buffer.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using SH3BP1 antibody (68328-1-Ig, Clone: 1B12C6) at dilution of 1:2000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1).

Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 68328-1-Ig (SH3BP1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunohistochemical analysis of paraffin-embedded mouse stomach tissue slide using 68328-1-Ig (SH3BP1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunohistochemical analysis of paraffin-embedded rat small intestine tissue slide using 68328-1-Ig (SH3BP1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunohistochemical analysis of paraffin-embedded rat stomach tissue slide using 68328-1-Ig (SH3BP1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).