

For Research Use Only

Talin-1 Monoclonal antibody

Catalog Number: 67992-1-Ig

Featured Product



Basic Information

Catalog Number: 67992-1-Ig	GenBank Accession Number: BC042923	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 7094	CloneNo.: 2E12D10
Source: Mouse	UNIPROT ID: Q9Y490	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:500-1:2000 IF/ICC 1:400-1:1600
Isotype: IgG1	Full Name: talin 1	
Immunogen Catalog Number: AG5937	Calculated MW: 2541 aa, 270 kDa	
	Observed MW: 270 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, FC (Intra), ELISA	Positive Controls:
Species Specificity: human	WB : HeLa cells, human peripheral blood platelets, HepG2 cells, Jurkat cells, K-562 cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human colon cancer tissue,
	IF/ICC : A549 cells,
	FC (Intra) : HeLa cells,

Background Information

Talin-1 is a large cytoskeletal protein consisting of a globular head domain and a long rod comprised of a series of α -helical bundles (PMID: 35266014). Talin-1 is ubiquitously expressed and is a major component of focal adhesions which are multi-protein, integrin-containing complexes, mediating cell migration, adhesion and integrin signalling (PMID: 33431906). Talin-1 also plays a role in tumor formation, migration and metastasis in various malignancies (PMID: 37013489).

Storage

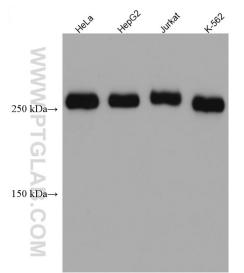
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

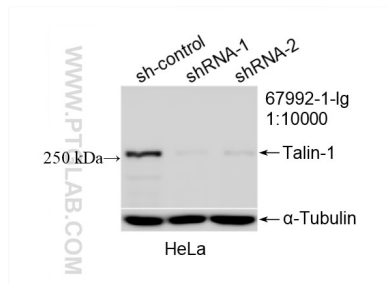
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

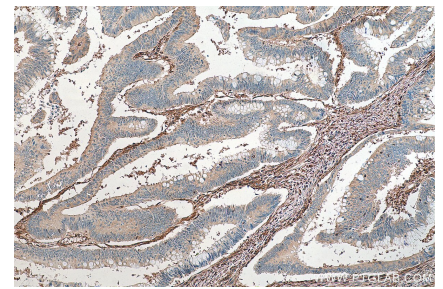
Selected Validation Data



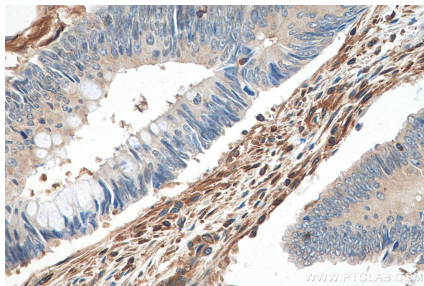
Various lysates were subjected to SDS PAGE followed by western blot with 67992-1-Ig (Talin-1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



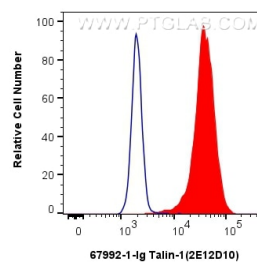
WB result of Talin-1 antibody (67992-1-Ig; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Talin-1 transfected HeLa cells.



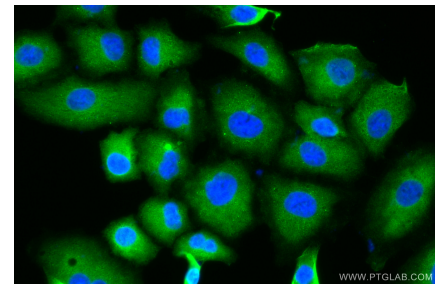
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 67992-1-Ig (Talin-1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 67992-1-Ig (Talin-1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1x10⁶ HeLa cells were intracellularly stained with 0.4 ug Talin-1 Monoclonal antibody (67992-1-Ig, Clone:2E12D10) 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 with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (4% PFA) fixed A549 cells using Talin-1 antibody (67992-1-Ig, Clone: 2E12D10) at dilution of 1:800 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002).