

For Research Use Only

Talin-1 Recombinant antibody

Catalog Number: 82856-4-RR



Basic Information

Catalog Number: 82856-4-RR	GenBank Accession Number: BC042923	Purification Method: Protein A purification
Size: 1000 ug/ml	GeneID (NCBI): 7094	CloneNo.: 7D11
Source: Rabbit	UNIPROT ID: Q9Y490	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:1000-1:4000 IF/ICC 1:500-1:2000
Isotype: IgG	Full Name: talin 1	
Immunogen Catalog Number: AG5367	Calculated MW: 2541 aa, 270 kDa Observed MW: 270 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : HeLa cells, HepG2 cells, Jurkat cells, K-562 cells, MCF-7 cells, NIH/3T3 cells, C6 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 tissue, mouse colon tissue
	IF/ICC : A549 cells, HUVEC 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 pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

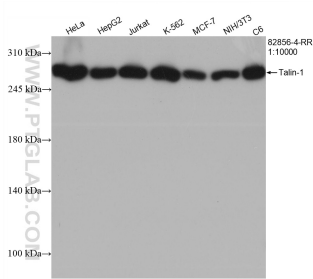
T: 4006900926

E: Proteintech-CN@ptglab.com

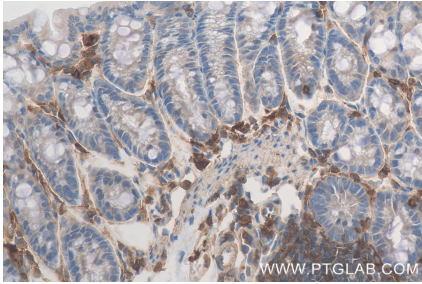
W: ptgcn.com

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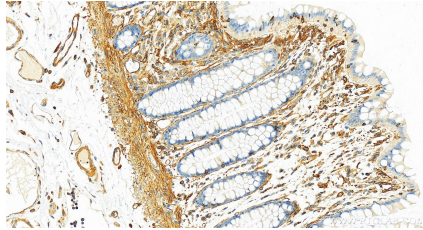
Selected Validation Data



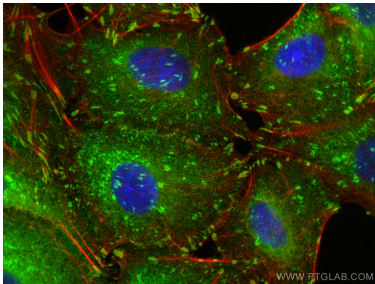
Various lysates were subjected to SDS PAGE followed by western blot with 82856-4-RR (Talin-1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



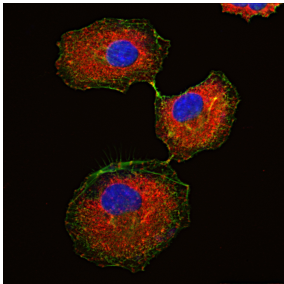
Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 82856-4-RR (Talin-1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



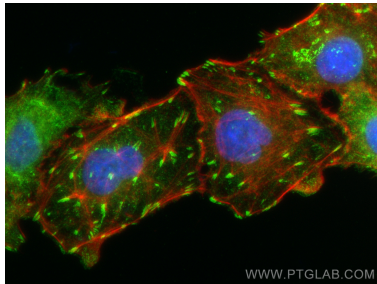
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 82856-4-RR (Talin-1 antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



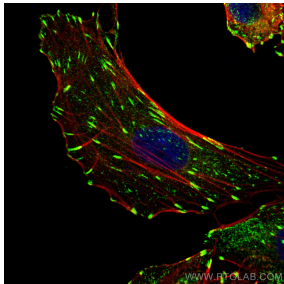
Immunofluorescent analysis of (4% PFA) fixed A549 cells using Talin-1 antibody (82856-4-RR, Clone: 7D11) at dilution of 1:1000 and CoraLite® Plus 594-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L), CL594-Phalloidin (red).



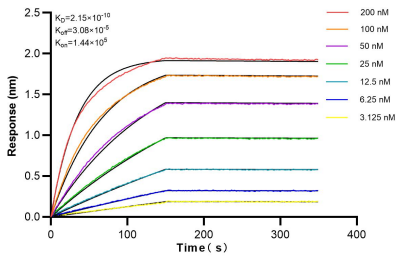
Immunofluorescent analysis of (4% PFA) fixed A549 cells using Talin-1 antibody (82856-4-RR, Clone: 7D11) at dilution of 1:1200 and Multi-rAb CoraLite® Plus 594-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR004), CL488-Phalloidin, green).



Immunofluorescent analysis of (4% PFA) fixed A549 cells using Talin-1 antibody (82856-4-RR, Clone: 7D11) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-phalloidin (red).



Immunofluorescent analysis of (4% PFA) fixed A549 cells using Talin-1 antibody (82856-4-RR, Clone: 7D11) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), (CL594-Phalloidin, red).



Biolayer interferometry (BLI) kinetic assays of 82856-4-RR against Human TLN1 were performed. The affinity constant is 0.215 nM.