

For Research Use Only

Talin-1 Recombinant antibody, PBS Only

Catalog Number: 82856-4-PBS



Basic Information

Catalog Number:

82856-4-PBS

Size:

100ug, Concentration: 1mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5367

GenBank Accession Number:

BC042923

GeneID (NCBI):

7094

UNIPROT ID:

Q9Y490

Full Name:

talin 1

Calculated MW:

2541 aa, 270 kDa

Observed MW:

270 kDa

Purification Method:

Protein A purification

CloneNo.:

7D11

Applications

Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:

human, mouse, rat

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 -80°C.

Storage Buffer:

PBS Only

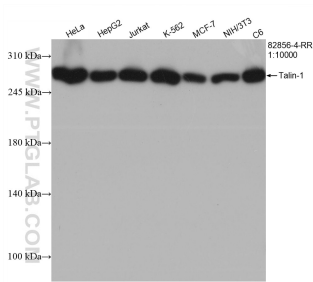
For technical support and original validation data for this product please contact:

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

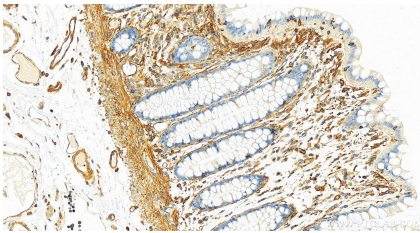
E: proteintech@ptglab.com
W: ptglab.com

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

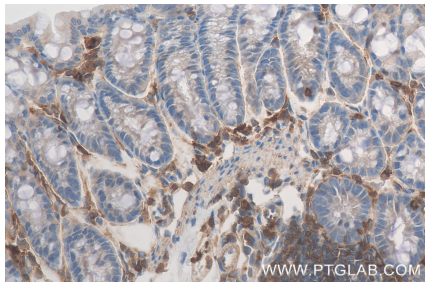
Selected Validation Data



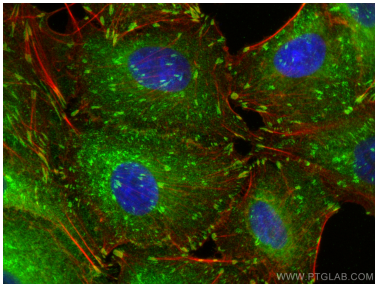
Various lysates were subjected to SDS PAGE followed by western blot with 82856-4-RR (Talin-1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82856-4-PBS in a different storage buffer formulation.



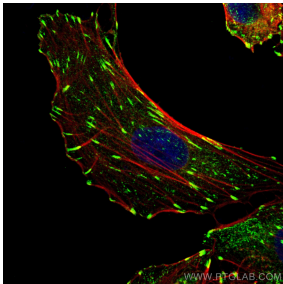
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 82856-4-RR (Talin-1 antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82856-4-PBS in a different storage buffer formulation.



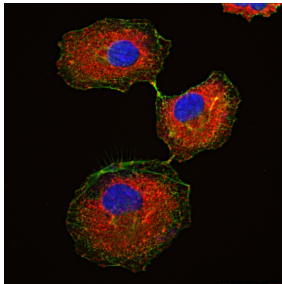
Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 82856-4-RR (Talin-1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82856-4-PBS in a different storage buffer formulation.



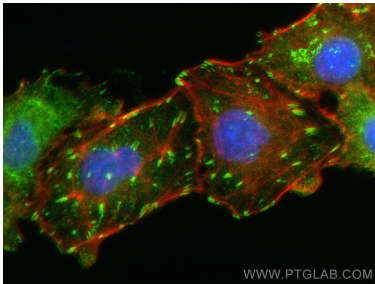
Immunofluorescent analysis of (4% PFA) fixed A549 cells using Talin-1 antibody (82856-4-RR, Clone: 7D11) at dilution of 1:1000 and CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), (CL594-Phalloidin, red). This data was developed using the same antibody clone with 82856-4-PBS in a different storage buffer formulation.



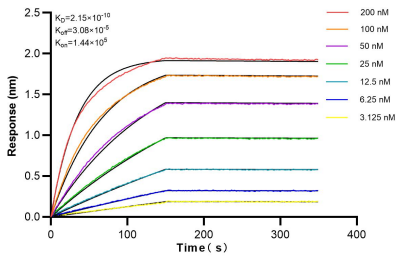
Immunofluorescent analysis of (4% PFA) fixed A549 cells using Talin-1 antibody (82856-4-RR, Clone: 7D11) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), (CL594-Phalloidin, red). This data was developed using the same antibody clone with 82856-4-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 82856-4-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 82856-4-PBS in a different storage buffer formulation.



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