

For Research Use Only

# CoraLite®594-conjugated Talin-1 Recombinant monoclonal antibody

Catalog Number:CL594-82856-4



## Basic Information

<b>Catalog Number:</b> CL594-82856-4	<b>GenBank Accession Number:</b> BC042923	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 7094	<b>CloneNo.:</b> 7D11
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9Y490	<b>Recommended Dilutions:</b> IF/ICC: 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> talin 1	<b>Excitation/Emission maxima wavelengths:</b> 588 nm / 604 nm
<b>Immunogen Catalog Number:</b> AG5367	<b>Calculated MW:</b> 2541 aa, 270 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC	<b>Positive Controls:</b> IF/ICC : A549 cells,
<b>Species Specificity:</b> 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  $\alpha$ -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

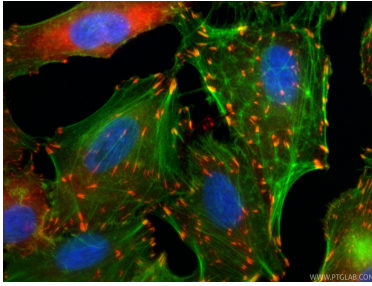
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3  
Aliquoting is unnecessary for -20°C storage

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)  
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed A549 cells using CoraLite®594 Talin-1 antibody (CL594-82856-4, Clone: 7D11 ) at dilution of 1:200, CL488-phalloidin (green).