

For Research Use Only

CoraLite®594-conjugated Alpha Actinin Monoclonal antibody



Catalog Number:CL594-66895

Basic Information

Catalog Number: CL594-66895	GenBank Accession Number: BC015766	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 87	CloneNo.: 1E2E1
Source: Mouse	Full Name: actinin, alpha 1	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG2b	Calculated MW: 103 kDa	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG28383	Observed MW: 100-105 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : C2C12 cells,
Species Specificity: Human, rat, mouse	

Background Information

Alpha Actinins are highly conserved actin-binding proteins that form antiparallel homodimers with the actin-binding domains on each end of the molecule, allowing crosslinking of actin molecules. There are four alpha actinin isoforms identified: two ubiquitously expressed cytoskeletal isoforms (ACTN1 and ACTN4) and two striated muscle-specific sarcomeric isoforms (ACTN2 and ACTN3). ACTN1 is also alternatively spliced to form smooth muscle or brain specific isoforms. This antibody recognize endogenous ACTN1, while it may cross-react with ACTN2 and ACTN4.

Storage

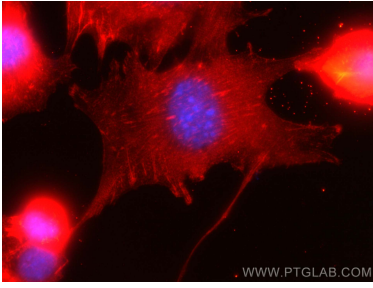
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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



Immunofluorescent analysis of (-20°C Methanol) fixed C2C12 cells using CoraLite®594 Alpha Actinin antibody (CL594-66895, Clone: 1E2E1) at dilution of 1:100.