

For Research Use Only

CoraLite®594-conjugated Alpha Actinin Recombinant monoclonal antibody



Catalog Number:CL594-86340-2

Basic Information

Catalog Number: CL594-86340-2	GenBank Accession Number: BC015766	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 87	CloneNo.: 250833F4
Source: Rabbit	UNIPROT ID: P12814	Recommended Dilutions: IF-P: 1:50-1:500
Isotype: IgG	Full Name: actinin, alpha 1	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG1859	Calculated MW: 103 kDa	
	Observed MW: 100-105 kDa	

Applications

Tested Applications: IF-P	Positive Controls: IF-P : rat heart tissue,
Species Specificity: human, mouse, rat	

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.

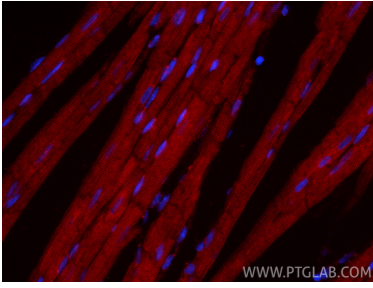
Storage

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, 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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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 (4% PFA) fixed paraffin-embedded rat heart tissue using CoraLite®594 Alpha Actinin antibody (CL594-86340-2, Clone: 250833F4) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).