

For Research Use Only

CoraLite® Plus 647-conjugated Alpha Actinin Monoclonal antibody

Catalog Number: CL647-66895



Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
CL647-66895	BC015766	Protein A purification
Size:	GenID (NCBI):	CloneNo.:
100ul, Concentration: 1000 ug/ml by Nanodrop;	87	1E2E1
Source:	UNIPROT ID:	Recommended Dilutions:
Mouse	P12814	IF/ICC: 1:50-1:500
Isotype:	Full Name:	Excitation/Emission maxima
IgG2b	actinin, alpha 1	wavelengths:
Immunogen Catalog Number:	Calculated MW:	654 nm / 674 nm
AG28383	103 kDa	
	Observed MW:	
	100-105 kDa	

Applications

Tested Applications:	Positive Controls:
IF/ICC	IF/ICC: H9C2 cells,
Species Specificity:	
human, mouse, rat, pig, rabbit	

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.

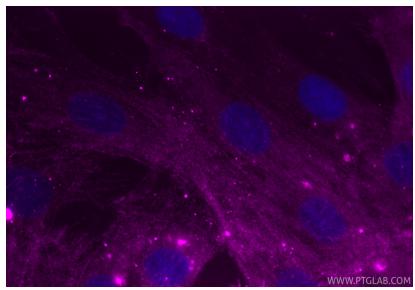
Storage

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) 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 H9C2 cells using Coralite® Plus 647 Alpha Actinin antibody (CL647-66895, Clone: 1E2E1) at dilution of 1:200.