

For Research Use Only

CoraLite® Plus 647-conjugated Alpha Actinin Monoclonal antibody

Catalog Number: CL647-66895



Basic Information

Catalog Number:	CL647-66895	GenBank Accession Number:	BC015766	Purification Method:	Protein A purification
Source:	Mouse	GeneID (NCBI):	87	CloneNo.:	1E2E1
Isotype:	IgG2b	UNIPROT ID:	P12814	Recommended Dilutions:	IF/ICC: 1:50-1:500
Immunogen Catalog Number:	AG28383	Full Name:	actinin, alpha 1	Excitation/Emission maxima wavelengths:	654 nm / 674 nm
		Calculated MW:	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:

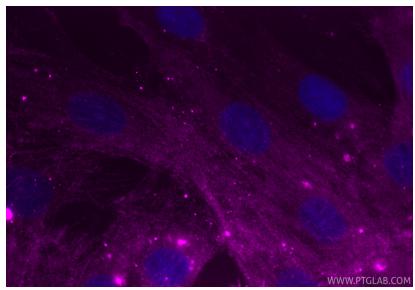
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed H9C2 cells using Coralite® Plus 647 Alpha Actinin antibody (CL647-66895, Clone: 1E2E1) at dilution of 1:200.