

For Research Use Only

# CoraLite® Plus 488-conjugated Alpha Actinin Monoclonal antibody



Catalog Number:CL488-66895

## Basic Information

<b>Catalog Number:</b> CL488-66895	<b>GenBank Accession Number:</b> BC015766	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 87	<b>CloneNo.:</b> 1E2E1
<b>Source:</b> Mouse	<b>Full Name:</b> actinin, alpha 1	<b>Recommended Dilutions:</b> WB 1:1000-1:8000
<b>Isotype:</b> IgG2b	<b>Calculated MW:</b> 103 kDa	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG28383	<b>Observed MW:</b> 100-105 kDa	

## Applications

<b>Tested Applications:</b> WB	<b>Positive Controls:</b> WB : HepG2 cells, HeLa cells, RAW 264.7 cells
<b>Species Specificity:</b> 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

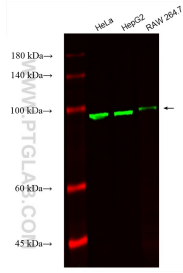
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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



Various lysates were subjected to SDS PAGE followed by western blot with CL488-66895 (Alpha Actinin antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.