

For Research Use Only

# CoraLite® Plus 488-conjugated Alpha Actinin Polyclonal antibody



Catalog Number: **CL488-11313**

## Basic Information

<b>Catalog Number:</b> CL488-11313	<b>GenBank Accession Number:</b> BC015766	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by 87 Nanodrop;	<b>GeneID (NCBI):</b> Full Name: actinin, alpha 1	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Calculated MW:</b> 103 kDa	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Isotype:</b> IgG	<b>Observed MW:</b> 100-105 kDa	
<b>Immunogen Catalog Number:</b> AG1859		

## Applications

<b>Tested Applications:</b> FC (Intra), IF	<b>Positive Controls:</b> IF : rat heart tissue,
<b>Species Specificity:</b> 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, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

**\*\*\* 20ul sizes contain 0.1%BSA**

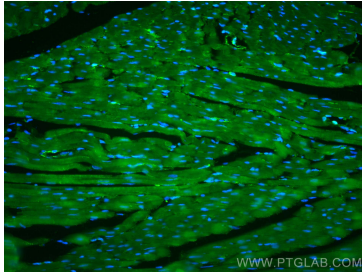
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free  
in USA), or 1(312) 455-8498 (outside USA)

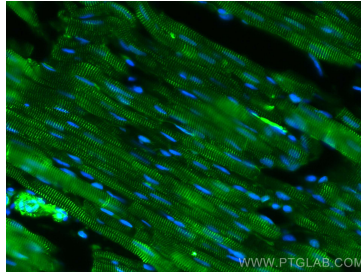
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

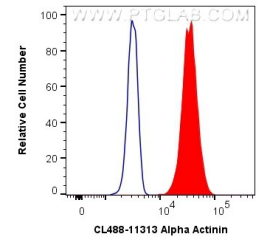
## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed rat heart tissue using CoraLite® Plus 488 Alpha Actinin antibody (CL488-11313) at dilution of 1:200.



Immunofluorescent analysis of (4% PFA) fixed rat heart tissue using CoraLite® Plus 488 Alpha Actinin antibody (CL488-11313) at dilution of 1:200.



$1 \times 10^6$  A431 cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 Anti-Human Alpha Actinin (CL488-11313) (red), or 0.8 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).