

For Research Use Only

# CoraLite® Plus 488-conjugated Alpha Actinin Polyclonal antibody

Catalog Number: CL488-11313

Featured Product



## Basic Information

Catalog Number:

CL488-11313

Size:

100ul , Concentration: 1000 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1859

GenBank Accession Number:

BC015766

GeneID (NCBI):

87

UNIPROT ID:

P12814

Full Name:

actinin, alpha 1

Calculated MW:

103 kDa

Observed MW:

100-105 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF-P 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF-P, FC (Intra)

Species Specificity:

human, mouse, rat

Positive Controls:

IF-P : rat heart tissue,

## 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

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

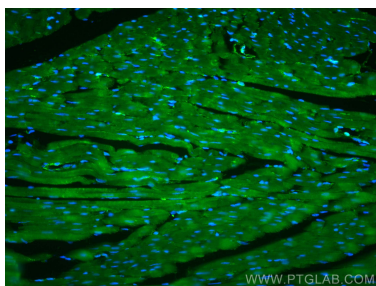
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

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

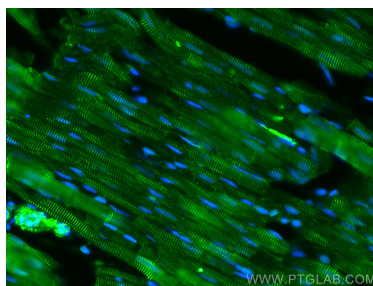
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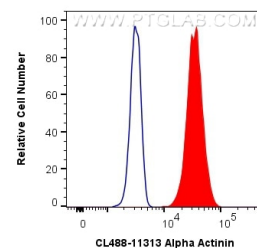
## Selected Validation Data



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



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1X10<sup>6</sup> 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).