

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti- Alpha Actinin



Numéro de catalogue: 11313-2-AP

22 Publications

## Informations de base

|   |   |   |
|---|---|---|
| Numéro de catalogue:<br>11313-2-AP                          | Numéro d'acquisition GenBank:<br>BC015766 | Méthode de purification:<br>Purification par affinité contre<br>l'antigène      |
| Taille:<br>150ul , Concentration: 600 µg/ml by<br>Nanodrop; | Identification du gène (NCBI):<br>87      | Dilutions recommandées:<br>WB 1:2000-1:10000<br>IHC 1:50-1:500<br>IF 1:50-1:500 |
| Hôte:<br>Lapin  | Nom complet:<br>actinin, alpha 1          |   |
| Isotype:<br>IgG   | MW calculé<br>103 kDa                     |   |
| Immunogen Catalog Number:<br>AG1859                         | MW observés:<br>100-105 kDa               |   |

## Applications

### Applications testées:

IF, IHC, WB, ELISA

### Demandes citées:

IF, IHC, WB

### Spécificité de l'espèce:

Humain, rat, souris

### Espèces citées:

Humain, rat, souris

### Contrôles positifs:

WB : cellules NIH/3T3, cellules C6, tissu cardiaque de rat, tissu splénique de souris

IHC : tissu cardiaque humain,

IF : tissu cardiaque de souris, cellules C2C12, tissu cardiaque de rat

**Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (\*) À défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.**

## Informations générales

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.

## Publications notables

| Autrice               | Pubmed ID | Journal           | Application |
|-----------------------|-----------|-------------------|-------------|
| Georgios Kremastiotis | 34848763  | Sci Rep           | IF          |
| Yue-Wei Yu            | 36387933  | Mediators Inflamm | WB          |
| Jie Ren               | 34804049  | Front Immunol     | WB          |

## Stockage

### Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

### Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

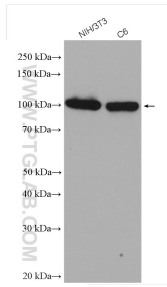
For technical support and original validation data for this product please contact:

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

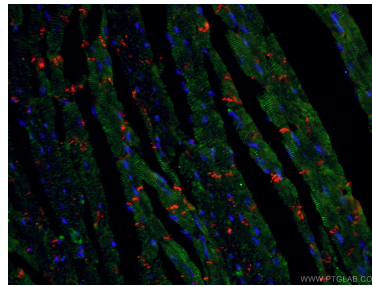
E: proteintech@ptglab.com  
W: ptglab.com

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

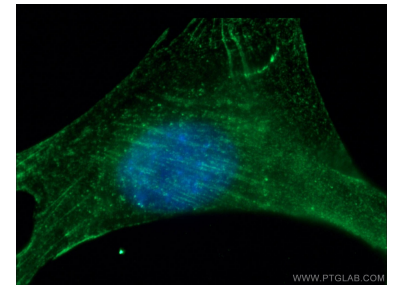
## Données de validation sélectionnées



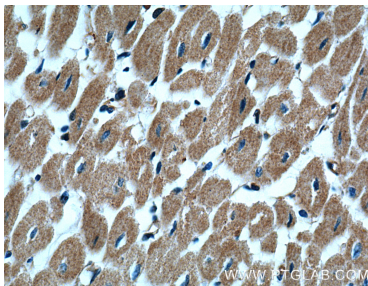
Various lysates were subjected to SDS PAGE followed by western blot with 11313-2-AP (Alpha Actinin antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



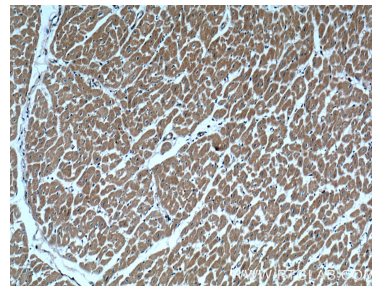
Immunofluorescent analysis of (4% PFA) fixed mouse heart tissue using 11313-2-AP (alpha Actinin antibody) at dilution of 1:50 and CoraLite488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). The section was co-stained with 66219-1-Ig (N-cadherin) in red.



Immunofluorescent analysis of (-20°C Ethanol) fixed C2C12 cell using 11313-2-AP (alpha Actinin antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 11313-2-AP (alpha Actinin antibody) at dilution of 1:200 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 11313-2-AP (alpha Actinin antibody) at dilution of 1:200 (under 10x lens).