

For Research Use Only

# ACTN3 Polyclonal antibody

Catalog Number: 24378-1-AP

2 Publications



## Basic Information

### Catalog Number:

24378-1-AP

### Size:

150ul, Concentration: 600 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG19479

### GenBank Accession Number:

BC099647

### GeneID (NCBI):

89

### UNIPROT ID:

Q08043

### Full Name:

actinin, alpha 3

### Calculated MW:

901 aa, 103 kDa

### Observed MW:

100 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:2000-1:16000

IHC 1:50-1:500

IF-P 1:200-1:800

## Applications

### Tested Applications:

WB, IHC, IF-P, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse

### Cited Species:

mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

**WB** : mouse skeletal muscle tissue, rat skeletal muscle tissue

**IHC** : mouse skeletal muscle tissue, human breast cancer tissue

**IF-P** : mouse skeletal muscle tissue,

## Notable Publications

Author	Pubmed ID	Journal	Application
Syeda N Lamia	39584396	FASEB J	WB
I O Petrova	30168060	Dokl Biochem Biophys	WB

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

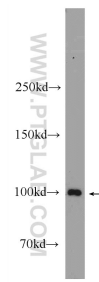
For technical support and original validation data for this product please contact:

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

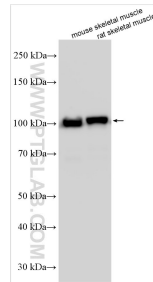
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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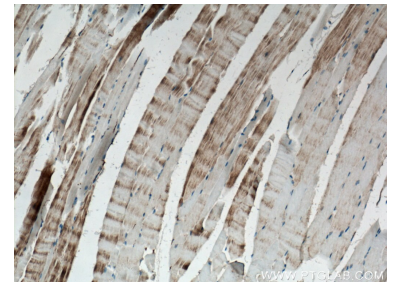
## Selected Validation Data



mouse skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 24378-1-AP (ACTN3 Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



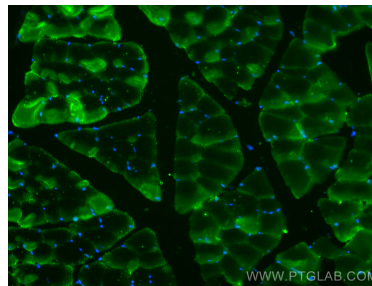
Various lysates were subjected to SDS PAGE followed by western blot with 24378-1-AP (ACTN3 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



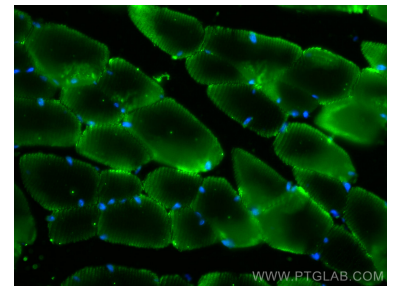
Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 24378-1-AP (ACTN3 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 24378-1-AP (ACTN3 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse skeletal muscle tissue using ACTN3 antibody (24378-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse skeletal muscle tissue using ACTN3 antibody (24378-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).