

For Research Use Only

# Alpha Actin Polyclonal antibody

Catalog Number: 23660-1-AP **49 Publications**



## Basic Information

<b>Catalog Number:</b> 23660-1-AP	<b>GenBank Accession Number:</b> BC012597	<b>Purification Method:</b> Antigen Affinity purified
<b>Size:</b> 150ul , Concentration: 600 µg/ml by Nanodrop and 220 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 58	<b>Recommended Dilutions:</b> WB 1:1000-1:8000 IP 0.5-4.0 ug for IP and 1:1000-1:8000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> actin, alpha 1, skeletal muscle	<b>IHC 1:50-1:200</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 42 kDa	<b>IF 1:20-1:200</b>
<b>Immunogen Catalog Number:</b> AG19151	<b>Observed MW:</b> 40-42 kDa	

## Applications

<b>Tested Applications:</b> FC, IF, IHC, IP, WB, ELISA	<b>Positive Controls:</b> <b>WB :</b> rat skeletal muscle tissue, mouse skeletal muscle tissue <b>IP :</b> mouse skeletal muscle tissue, <b>IHC :</b> human colon tissue, human heart tissue, human skeletal muscle tissue <b>IF :</b> HepG2 cells,
<b>Cited Applications:</b> FC, IF, WB	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human, mouse, rat	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

### Notable Publications

Author	Pubmed ID	Journal	Application
Xu-Hong Fu	30224636	Acta Pharmacol Sin	WB
Ying Lin	32973959	Oncol Lett	WB
XiaoLin Sun	32963547	Stem Cells Int	FC,IF

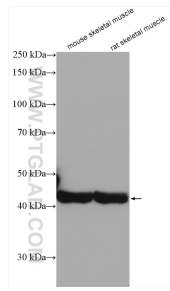
## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

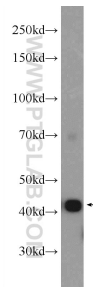
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

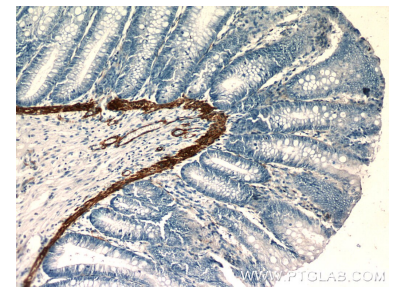
## Selected Validation Data



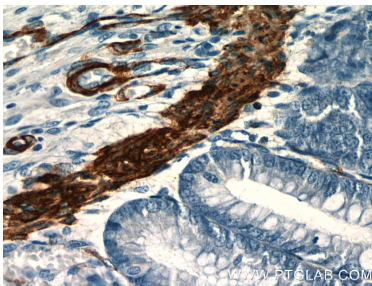
Various lysates were subjected to SDS PAGE followed by western blot with 23660-1-AP (alpha Actin antibody) at dilution of 1:150000 incubated at room temperature for 1.5 hours.



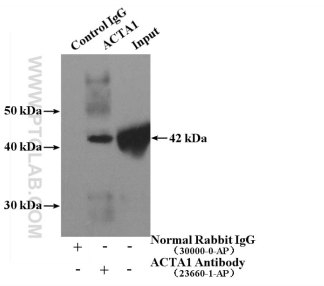
rat skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 23660-1-AP (alpha Actin antibody at dilution of 1:4000 incubated at room temperature for 1.5 hours.



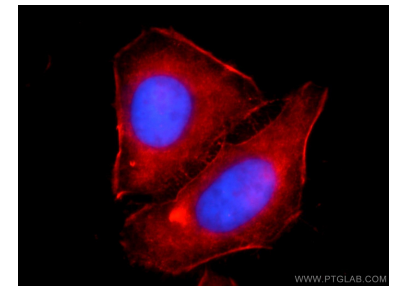
Immunohistochemical analysis of paraffin-embedded human colon slide using 23660-1-AP (alpha Actin antibody at dilution of 1:50.



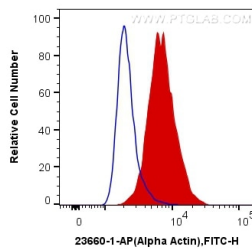
Immunohistochemical analysis of paraffin-embedded human colon slide using 23660-1-AP (alpha Actin antibody at dilution of 1:50.



IP Result of anti-alpha Actin (IP:23660-1-AP, 4ug; Detection:23660-1-AP 1:4000) with mouse skeletal muscle tissue lysate 2200ug.



Immunofluorescent analysis of HepG2 cells using 23660-1-AP (alpha Actin antibody) at dilution of 1:50 and Rhodamine-Goat anti-Rabbit IgG.



1X10<sup>6</sup> C2C12 cells were intracellularly stained with 0.4 ug Anti-Human Alpha Actin (23660-1-AP) and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).