

For Research Use Only

Alpha Actin Polyclonal antibody

Catalog Number: 23660-1-AP

100 Publications



Basic Information

Catalog Number:

23660-1-AP

Size:

600 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG19151

GenBank Accession Number:

BC012597

GeneID (NCBI):

58

UNIPROT ID:

P68133

Full Name:

actin, alpha 1, skeletal muscle

Calculated MW:

42 kDa

Observed MW:

39-42 kDa

Purification Method:

Antigen Affinity purified

Recommended Dilutions:

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:200

IF 1:20-1:200

Applications

Tested Applications:

IF/ICC, IHC, IP, ELISA

Cited Applications:

FC, IF, IHC, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, rat, mouse, pig

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:

IP: mouse skeletal muscle tissue,

IHC: human colon tissue, human heart tissue, human skeletal muscle tissue

IF: HepG2 cells,

Background Information

Notable Publications

Author	Pubmed ID	Journal	Application
Xu-Hong Fu	30224636	Acta Pharmacol Sin	WB
Ying Lin	32973959	Oncol Lett	WB
Qiong Fang	36094724	Metab Brain Dis	WB

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:

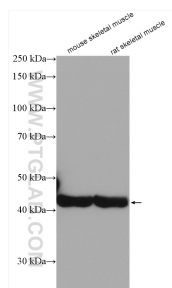
T: 4006900926

E: Proteintech-CN@ptglab.com

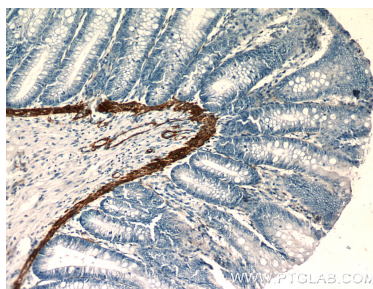
W: ptgcn.com

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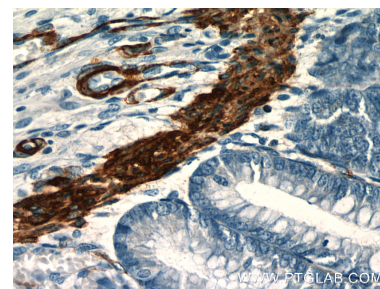
Selected Validation Data



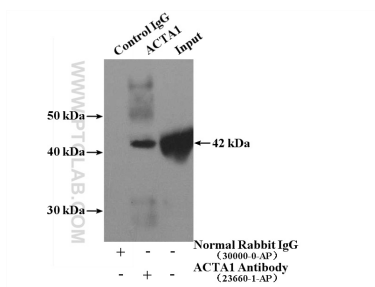
Various lysates were subjected to SDS PAGE followed by western blot with 23660-1-AP (alpha Actin antibody) at dilution of 1:150000 incubated at room temperature for 1.5 hours.



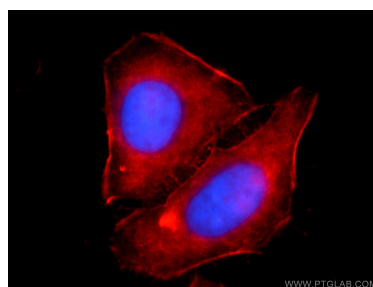
Immunohistochemical analysis of paraffin-embedded human colon slide using 23660-1-AP (alpha Actin antibody at dilution of 1:50.



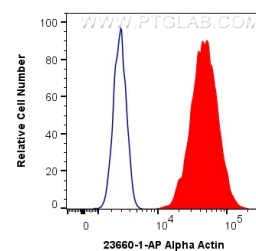
Immunohistochemical analysis of paraffin-embedded human colon slide using 23660-1-AP (alpha Actin antibody at dilution of 1:50.



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.



1X10⁶ 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 Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).