

For Research Use Only

Alpha Actin Polyclonal antibody

Catalog Number: 23082-1-AP

1 Publications



Basic Information

Catalog Number:

23082-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG19482

GenBank Accession Number:

BC009978

GeneID (NCBI):

70

UNIPROT ID:

P68032

Full Name:

actin, alpha, cardiac muscle 1

Calculated MW:

377 aa, 42 kDa

Observed MW:

42-45 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:200

Applications

Tested Applications:

FC, IHC, WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

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 heart tissue,

IHC : human heart tissue, mouse skeletal muscle tissue, mouse heart tissue, mouse colon tissue, human small intestine tissue, human colon tissue, human skeletal muscle tissue

Background Information

Notable Publications

Author	Pubmed ID	Journal	Application
Hideshi Okada	25466765	Circ Heart Fail	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:

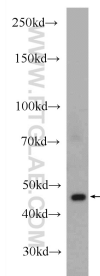
T: 4006900926

E: Proteintech-CN@ptglab.com

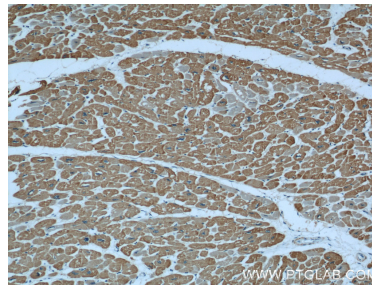
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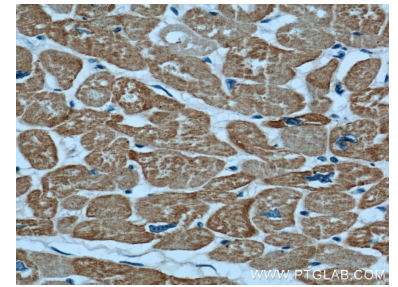
Selected Validation Data



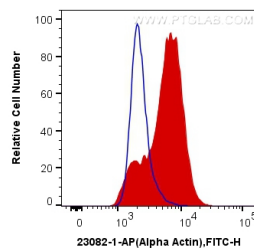
mouse heart tissue were subjected to SDS PAGE followed by western blot with 23082-1-AP (alpha Actin antibody at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human heart using 23082-1-AP (alpha Actin antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human heart using 23082-1-AP (alpha Actin antibody) at dilution of 1:100 (under 40x lens).



1X10⁶ C2C12 cells were intracellularly stained with 0.4 ug Anti-Human Alpha Actin (23082-1-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).