

For Research Use Only

Alpha Actin Polyclonal antibody

Catalog Number: 23082-1-AP

1 Publications



Basic Information

Catalog Number: 23082-1-AP	GenBank Accession Number: BC009978	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop and 233 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 70	Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200
Source: Rabbit	Full Name: actin, alpha, cardiac muscle 1	
Isotype: IgG	Calculated MW: 377 aa, 42 kDa	
Immunogen Catalog Number: AG19482	Observed MW: 42-45 kDa	

Applications

Tested Applications: FC, IHC, WB, ELISA	Positive Controls:
Cited Applications: WB	WB : mouse heart tissue,
Species Specificity: human, mouse	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
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

Notable Publications

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

Storage

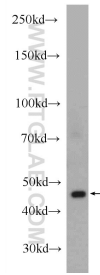
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

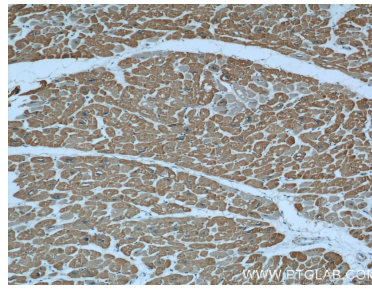
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

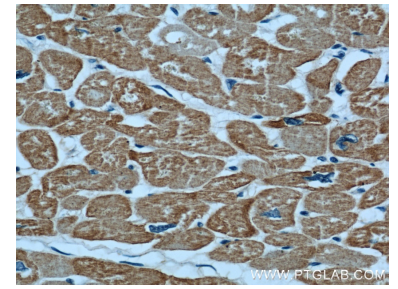
Selected Validation Data



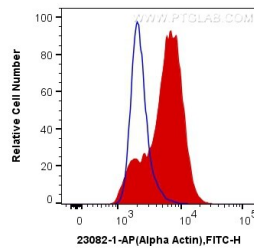
mouse heart tissue were subjected to SDS PAGE followed by western blot with 23082-1-AP (alpha Actin antibody at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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).