

For Research Use Only

MYLK4 Polyclonal antibody

Catalog Number: 24309-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number:

24309-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG19314

GenBank Accession Number:

BC132831

GeneID (NCBI):

340156

UNIPROT ID:

Q86YV6

Full Name:

myosin light chain kinase family, member 4

Calculated MW:

388 aa, 45 kDa

Observed MW:

45 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

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

IHC 1:100-1:400

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB, IF

Species Specificity:

human

Cited Species:

human

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 : HEK-293 cells, L02 cells

IP : HEK-293 cells,

IHC : human heart tissue, human tonsillitis tissue

Background Information

MYLK4(Myosin light chain kinase family member 4) is also named as SGK085 and belongs to the CAMK Ser/Thr protein kinase family. MLCKs are activated by Ca²⁺-calmodulin complexes and require Mg²⁺ or Ca²⁺ as a co-factor. It has 2 isoforms produced by alternative splicing.

Notable Publications

Author	Pubmed ID	Journal	Application
Mengkai Yang	33980265	J Exp Clin Cancer Res	WB
Francesca Gobbo	37425686	bioRxiv	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

*** 20ul sizes contain 0.1% BSA

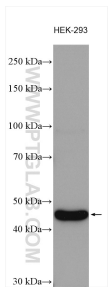
For technical support and original validation data for this product please contact:

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

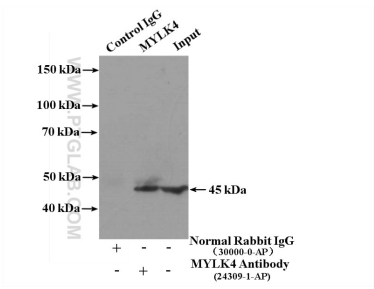
E: proteintech@ptglab.com
W: ptglab.com

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

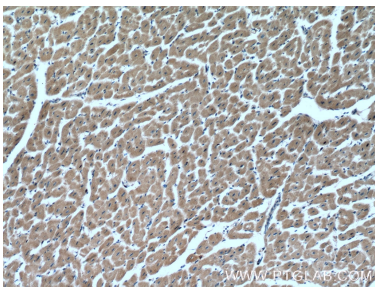
Selected Validation Data



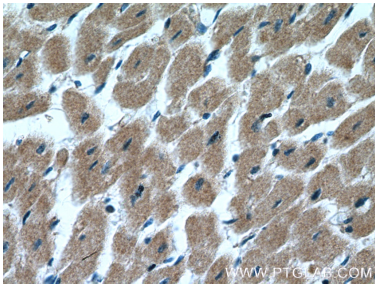
HEK-293 cells were subjected to SDS PAGE followed by western blot with 24309-1-AP (MYLK4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



IP result of anti-MYLK4 (IP:24309-1-AP, 4ug; Detection:24309-1-AP 1:500) with HEK-293 cells lysate 3600ug.



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 24309-1-AP (MYLK4 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 24309-1-AP (MYLK4 Antibody) at dilution of 1:200 (under 40x lens).