

For Research Use Only

MYLK4 Polyclonal antibody

Catalog Number: 24309-1-AP

Featured Product

2 Publications



Basic Information

| | | |
|---|---|---|
| Catalog Number: 24309-1-AP | GenBank Accession Number: BC132831 | Purification Method: Antigen affinity purification |
| Size: 150ul, Concentration: 500 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 340156 | Recommended Dilutions: WB 1:1000-1:4000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB |
| Source: Rabbit | Full Name: myosin light chain kinase family, member 4 | IHC 1:100-1:400 |
| Isotype: IgG | Calculated MW: 388 aa, 45 kDa | |
| Immunogen Catalog Number: AG19314 | Observed MW: 45 kDa | |

Applications

| | |
|---|--|
| Tested Applications: IHC, IP, WB, ELISA | Positive Controls: WB : HEK-293 cells, L02 cells |
| Cited Applications: IF, WB | IP : HEK-293 cells, |
| Species Specificity: human | IHC : human heart tissue, human tonsillitis tissue |
| 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

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

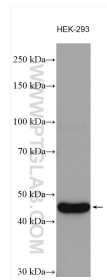
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

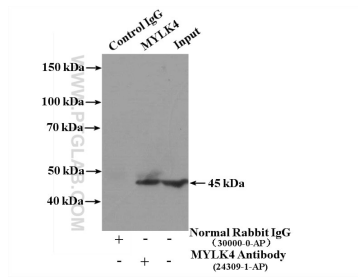
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

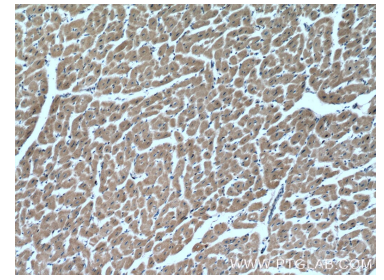
Selected Validation Data



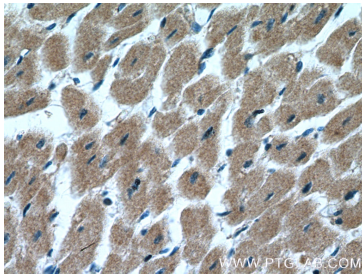
HEK-293 cells were subjected to SDS PAGE followed by western blot with 24309-1-AP (MYLK4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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).