## For Research Use Only

## MYLK4 Polyclonal antibody

Catalog Number:24309-1-AP

Featured Product

2 Publications



**Basic Information** 

Catalog Number:

24309-1-AP

Size:

Soo µ g/ml

Source:

Rabbit

Sotype:

GenBank Accession Number:

BC132831

GeneID (NCBI):

340156

UNIPROT ID:

Q86YV6

Full Name:

myosin light chain kinase family,

member 4

AG19314 Calculated MW: 388 aa, 45 kDa
Observed MW: 45 kDa

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

**Purification Method:** 

**Applications** 

Tested Applications: IHC, IP, WB, ELISA Cited Applications: WB, IF

Immunogen Catalog Number:

Species Specificity: human Cited Species:

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, LO2 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:

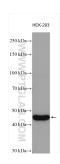
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

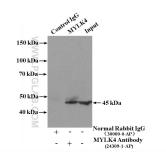
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

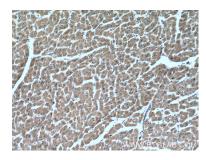
## **Selected Validation Data**



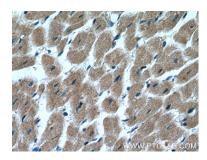
HEK-293 cells were subjected to SDS PAGE followed by western blot with 24309-1-AP (MYLK4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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



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