

For Research Use Only

MYLK3 Recombinant antibody

Catalog Number: 83673-3-RR



Basic Information

Catalog Number: 83673-3-RR	GenBank Accession Number: BC109097	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 91807	CloneNo.: 240762G7
Source: Rabbit	UNIPROT ID: Q32MKO	Recommended Dilutions: WB 1:1000-1:4000
Isotype: IgG	Full Name: myosin light chain kinase 3	
Immunogen Catalog Number: AG16137	Calculated MW: 819 aa, 88 kDa	
	Observed MW: 95 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : L02 cells, human heart tissue
Species Specificity: human	

Background Information

Cardiac myosin light chain kinase (cMLCK) encoded by the myosin light chain kinase 3 (MYLK3) phosphorylates cardiac myosin light chain 2 (MLC2, encoded by MYL2) and facilitates actin-myosin interactions that enhance contractile force in the animal heart (PMID: 29235529).

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:

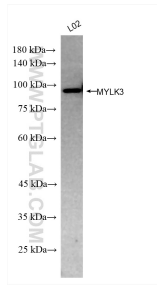
T: 4006900926

E: Proteintech-CN@ptglab.com

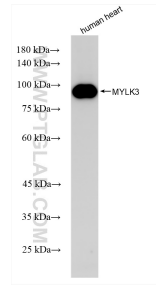
W: ptgcn.com

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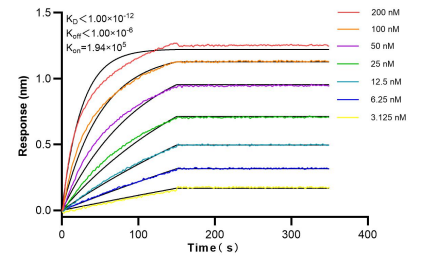
Selected Validation Data



L02 cells were subjected to SDS PAGE followed by western blot with 83673-3-RR (MYLK3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



human heart tissue were subjected to SDS PAGE followed by western blot with 83673-3-RR (MYLK3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Bi-layer interferometry (BLI) kinetic assays of 83673-3-RR against Human MYLK3 were performed. The affinity constant is below 1 pM.