

MYL3 Polyclonal Antibody

Catalog number: 10913-1-AP

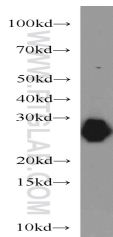
Size: 45 µg/150 µl

Source: Rabbit

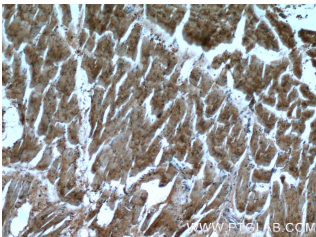
Isotype: IgG

Synonyms:

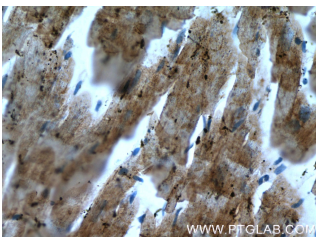
MYL3; Cardiac myosin light chain 1, CMH8, CMLC1, MLC1SB, MLC1V, MYL3, Myosin light chain 3, VLC1



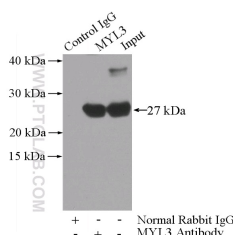
mouse heart tissue were subjected to SDS PAGE followed by western blot with 10913-1-AP(MYL3 antibody) at dilution of 1:1000



Immunohistochemistry of paraffin-embedded human heart tissue slide using 10913-1-AP (MYL3 Antibody) at dilution of 1:50 (under 10x lens)



Immunohistochemistry of paraffin-embedded human heart tissue slide using 10913-1-AP (MYL3 Antibody) at dilution of 1:50 (under 40x lens)



IP Result of anti-MYL3

Background

MYL3, also named as MLC1v, is an essential light chain of myosin that is associated with muscle contraction. It is expressed in ventricular and slow skeletal muscle. MYL3 may serve as a target for caspase-3 in dying cardiomyocytes. Mutations of MYL3 gene cause hypertrophic cardiomyopathy. MYL3 has been identified as potential serum biomarker for drug induced myotoxicity. Great increase in MYL3 serum concentration has been observed in rats with cardiac and skeletal muscle injury. (PMID:21685905)

Applications

Tested applications:	ELISA, IHC, WB, IP
Cited applications:	WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human
Calculated MYL3 MW:	22 kDa
Observed MYL3 MW:	22-27 kDa
Positive WB detected in	Mouse heart tissue, human heart tissue, mouse skeletal muscle tissue
Positive IP detected in	Mouse heart tissue
Positive IHC detected in	Human heart tissue, human lung cancer tissue, human skeletal muscle tissue
Recommended dilution:	WB: 1:500-1:5000 IP: 1:2000-1:20000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag1364
GenBank accession number:	BC009790
Gene ID (NCBI):	4634
Full name:	Myosin, light chain 3, alkali; ventricular, skeletal, slow

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

(IP:10913-1-AP, 3ug;
Detection:10913-1-AP 1:7000)
with mouse heart tissue lysate
4000ug.