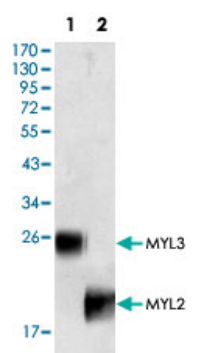
MYL3 monoclonal antibody, clone 3F8

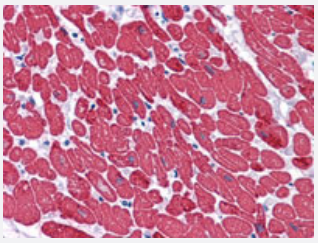
Catalog # MAB10429 Size 100 uL

Applications



Western Blot (Tissue lysate)

Western blot analysis using MYL3 monoclonal antibody, clone 3F8 (Cat # MAB10429, lane 1) and MYL2 mouse monoclonal antibody (lane 2) against rat fetal heart tissue lysate.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human heart tissue using MYL3 monoclonal antibody, clone 3F8 (Cat # MAB10429).

Specification

Product Description	Mouse monoclonal antibody raised against recombinant MYL3.
Immunogen	Recombinant protein corresponding to human MYL3.
Host	Mouse
Theoretical MW (kDa)	22
Reactivity	Human
Form	Liquid

Isotype	IgG1
Recommend Usage	Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) ELISA (1:10000) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascitic (0.03% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

  Western blot analysis using MYL3 monoclonal antibody, clone 3F8 (Cat # MAB10429, lane 1) and MYL2 mouse monoclonal antibody (lane 2) against rat fetal heart tissue lysate.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical analysis of paraffin-embedded human heart tissue using MYL3 monoclonal antibody, clone 3F8 (Cat # MAB10429).

- Enzyme-linked Immunoabsorbent Assay

Gene Info — MYL3

Entrez GeneID	4634
Gene Name	MYL3
Gene Alias	CMH8, MLC1SB, MLC1V, VLC1
Gene Description	myosin, light chain 3, alkali; ventricular, skeletal, slow
Omim ID	160790 608751
Gene Ontology	Hyperlink
Gene Summary	MYL3 encodes myosin light chain 3, an alkali light chain also referred to in the literature as both th e ventricular isoform and the slow skeletal muscle isoform. Mutations in MYL3 have been identifie d as a cause of mid-left ventricular chamber type hypertrophic cardiomyopathy. [provided by RefS eq

Other Designations	OTTHUMP00000165922|myosin, light polypeptide 3, alkali; ventricular, skeletal, slow|slow skeletal ventricular myosin alkali light chain 3

Pathway

- Cardiac muscle contraction
- Hypertrophic cardiomyopathy (HCM)

Disease

- Cardiomegaly
- Cardiomyopathy
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Hypertrophy
- Lipid Metabolism
- Mitochondrial Myopathies