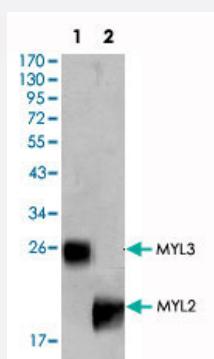


MYL3 monoclonal antibody, clone 7C1

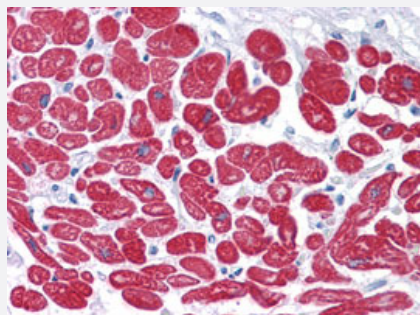
Catalog # MAB10821 Size 100 uL

Applications



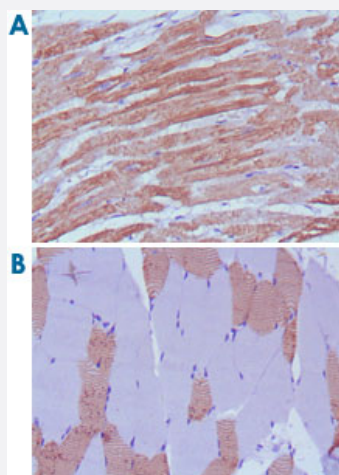
Western Blot (Tissue lysate)

Western blot analysis using MYL3 monoclonal antibody, clone 7C1 (Cat # MAB10821) (1) and MYL2 monoclonal antibody, clone 7C9 (Cat # MAB10820) (2) against rat fetal heart tissue lysate.



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

Immunohistochemical analysis of paraffin-embedded human heart tissues using MYL3 monoclonal antibody, clone 7C1 (Cat # MAB10821).



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

Immunohistochemical analysis of paraffin-embedded human skeletal muscle (A) and cardiac muscle (B) using MYL3 monoclonal antibody, clone 7C1 (Cat # MAB10821) with DAB staining.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant MYL3.
Immunogen	Recombinant protein corresponding to human MYL3.
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites (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 should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western blot analysis using MYL3 monoclonal antibody, clone 7C1 (Cat # MAB10821) (1) and MYL2 monoclonal antibody, clone 7C9 (Cat # MAB10820) (2) against rat fetal heart tissue lysate.

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

Immunohistochemical analysis of paraffin-embedded human heart tissues using MYL3 monoclonal antibody, clone 7C1 (Cat # MAB10821).

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

Immunohistochemical analysis of paraffin-embedded human skeletal muscle (A) and cardiac muscle (B) using MYL3 monoclonal antibody, clone 7C1 (Cat # MAB10821) with DAB staining.

- 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 the ventricular isoform and the slow skeletal muscle isoform. Mutations in MYL3 have been identified as a cause of mid-left ventricular chamber type hypertrophic cardiomyopathy. [provided by RefSeq]
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](#)