

MYL2 polyclonal antibody

Catalog: BS90904

Host: Rabbit

Reactivity: Human, Mouse, Rat, zebrafish

BackGround:

Encoded by the MYL2 gene, myosin regulatory light chain 2, ventricular/cardiac muscle isoform, also designated MLC-2 or MLC2v, is part of a hexameric complex of two heavy chains and four light chains predominantly expressed in adult cardiac ventricle muscle. Myosin regulatory light chain 2 binds calcium and has been shown to be a useful molecular marker for cardiac chamber specification. The co-expression of myosin regulatory light chain 7 (MYL7) and myosin regulatory light chain 2 in the outflow tract and atrioventricular canal, together with the single expression in the atrial (MYL7) and ventricular (MYL2) myocardium, permits the delineation of their boundaries. At the amino acid level there is 96% homology between the human and mouse myosin regulatory light chain sequences. Mutations in MYL2 are correlated with mid-left ventricular chamber type hypertrophic cardiomyopathy (MVC2) as well as familial hypertrophic cardiomyopathy type 10 (CMH10).

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

19 kDa

Swiss-Prot:

P10916(Human) P51667(Mouse) P08733(Rat)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:1,000-1:5,000

IHC:1:50-1:200

Storage&Stability:

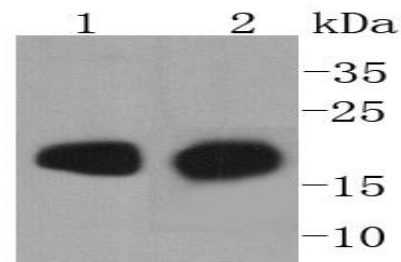
Store at +4 °C after thawing. Aliquot store at -20 °C or

-80 °C. Avoid repeated freeze / thaw cycles.

Specificity:

MYL2 polyclonal antibody detects endogenous levels of MYL2 protein.

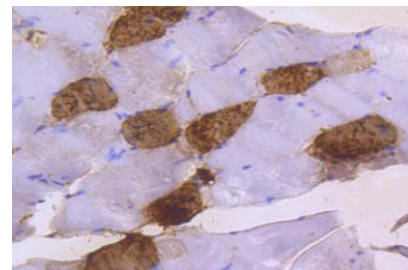
DATA:



Western blot analysis of Myosin Light Chain 2 on different lysates using anti-Myosin Light Chain 2 antibody at 1/1,000 dilution. Positive control:

Lane 1: Mouse liver

Lane 2: Mouse brain



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue using anti-Myosin Light Chain 2 antibody. Counter stained with hematoxylin.

Note:

For research use only, not for use in diagnostic procedure.

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