

MYH6/7 polyclonal antibody

Catalog: BS60994

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Myosin is a highly conserved, ubiquitously expressed protein that interacts with actin to generate the force for cellular movements. Conventional myosins are hexameric proteins consisting of two heavy chain subunits, a pair of nonphosphorylatable light chain subunits and a pair of phosphorylatable light chain subunits. Three general classes of myosin have been cloned: smooth muscle myosins, striated muscle myosins and non-muscle myosins. Contractile activity in smooth muscle is regulated by the calcium/calmodulin-dependent phosphorylation of myosin light chain (MLC) by myosin light chain kinase. Myosin heavy chains, which are encoded by the MYH gene family, contain Actin-activated ATPase activity which generates the motor function of myosin. Myosin heavy chains were initially isolated from a human fetal skeletal muscle and are the major determinant in the speed of contraction of skeletal muscle. Various isoforms of myosin heavy chains are differentially expressed depending on the functional activity of the muscle.

Product:

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

Molecular Weight:

~ 260 kDa

Swiss-Prot:

P13533/P12883

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum

by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

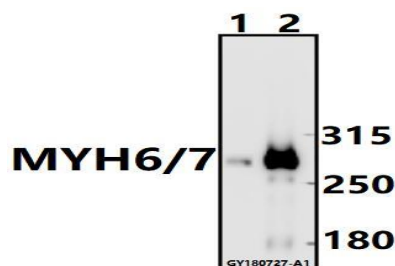
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

MYH6/7 polyclonal antibody detects endogenous levels of MYH6/7 protein.

DATA:



Western blot (WB) analysis of MYH6/7 polyclonal antibody at 1:500 dilution

Lane1: The Heart tissue lysate of Rat(40ug)

Lane2: The Heart tissue lysate of Mouse(5ug)

Note:

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

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