

Anti-Human/Mouse/Rat MYH6/7 Polyclonal Antibody

Polyclonal Antibody

Cat.NO.: PA05013

3th Edition

Description:MYH6 (Myosin Heavy Chain 6) is a Protein Coding gene. Diseases associated with MYH6 include Atrial Septal Defect 3 and Cardiomyopathy, Dilated, 1Ee. Among its related pathways are Immune response CCR3 signaling in eosinophils and Cytoskeleton remodeling Regulation of actin cytoskeleton by Rho GTPases. GO annotations related to this gene include protein kinase binding and ATPase activity. An important paralog of this gene is MYH7. MYH7 (Myosin Heavy Chain 7) is a Protein Coding gene. Diseases associated with MYH7 include Scapulooperoneal Syndrome, Myopathic Type and Liang Distal Myopathy. Among its related pathways are Cytoskeleton remodeling Regulation of actin cytoskeleton by Rho GTPases and Allograft rejection. GO annotations related to this gene include actin binding and calmodulin binding. An important paralog of this gene is MYH6. Muscle myosin is a hexameric protein containing 2 heavy chain subunits, 2 alkali light chain subunits, and 2 regulatory light chain subunits. This gene encodes the beta (or slow) heavy chain subunit of cardiac myosin. It is expressed predominantly in normal human ventricle. It is also expressed in skeletal muscle tissues rich in slow-twitch type I muscle fibers. Changes in the relative abundance of this protein and the alpha (or fast) heavy subunit of cardiac myosin correlate with the contractile velocity of cardiac muscle.

Antigen:Synthetic peptide from human protein

Form:

How to use:1.0 ml distilled water will be added to the product

Stability: Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

Dilution:PBS (pH7.4) containing 1% BSA

Application:This antibody can be used for western blotting in concentration of 1?5?g/ml.

Specificity:Both wild type and variant Gln-403 are detected in skeletal muscle (at protein level).