

MYH6 Rabbit pAb

CatalogNo: YT6101

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC

MW

- 200kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

IHC 1:50-300

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human MYH6. at AA range: 341-390

Specificity MYH6 Polyclonal Antibody detects endogenous levels of MYH6

Target Information

Gene name MYH6

Protein Name MYH6

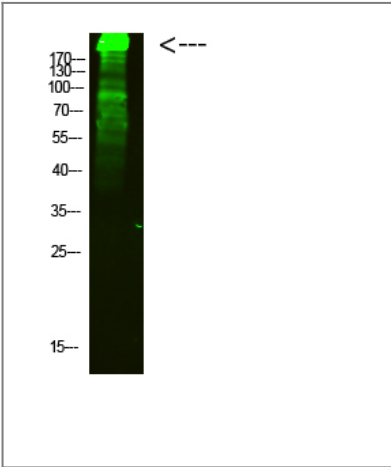
Organism	Gene ID	UniProt ID
Human	4624;	P13533;
Mouse	17888;	Q02566;

Cellular Localization Cytoplasm, myofibril. Thick filaments of the myofibrils.

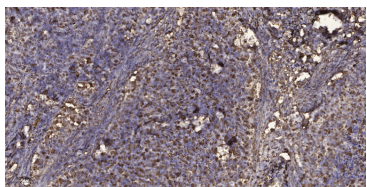
Tissue specificity Atrial,

Function Disease:Defects in MYH6 are a cause of cardiomyopathy familial hypertrophic (CMH) [MIM:192600]; also designated FHC or HCM. Familial hypertrophic cardiomyopathy is a hereditary heart disorder characterized by ventricular hypertrophy, which is usually asymmetric and often involves the interventricular septum. The symptoms include dyspnea, syncope, collapse, palpitations, and chest pain. They can be readily provoked by exercise. The disorder has inter- and intrafamilial variability ranging from benign to malignant forms with high risk of cardiac failure and sudden cardiac death.,Disease:Defects in MYH6 are the cause of atrial septal defect type 3 (ASD3) [MIM:160710]. ASD3 is a congenital heart malformation characterized by incomplete closure of the wall between the atria resulting in blood flow from the left to the right atria.,Domain:The rodlike tail sequence is highly repetitive, showing cycles of a 28-residue repeat pattern composed of 4 heptapeptides, characteristic for alpha-helical coiled coils.,Function:Muscle contraction.,miscellaneous:Each myosin heavy chain can be split into 1 light meromyosin (LMM) and 1 heavy meromyosin (HMM). It can later be split further into 2 globular subfragments (S1) and 1 rod-shaped subfragment (S2).,miscellaneous:The cardiac alpha isoform is a 'fast' ATPase myosin, while the beta isoform is a 'slow' ATPase.,similarity:Contains 1 IQ domain.,similarity:Contains 1 myosin head-like domain.,subcellular location:Thick filaments of the myofibrils.,subunit:Muscle myosin is a hexameric protein that consists of 2 heavy chain subunits (MHC), 2 alkali light chain subunits (MLC) and 2 regulatory light chain subunits (MLC-2).,

Validation Data



Western Blot analysis of mouse-heart cells using primary antibody diluted at 1:2000(4°C overnight). Secondary antibody:Goat Anti-rabbit IgG IRDye 800(diluted at 1:5000, 25°C, 1 hour)



Immunohistochemical analysis of paraffin-embedded human Squamous cell carcinoma of lung. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

| Contact information

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Please scan the QR code
to access additional
product information:
MYH6 Rabbit pAb

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