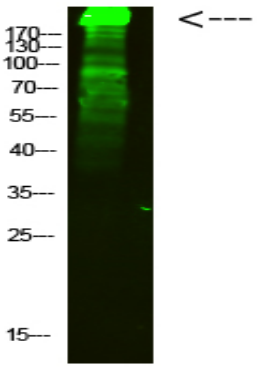
Best Tools for immunology Research

MYH6 Polyclonal Antibody

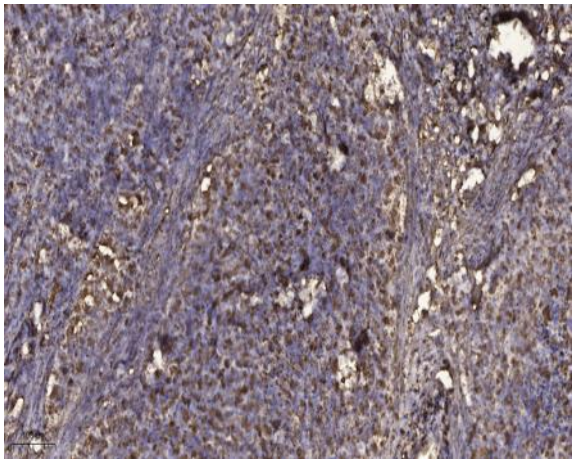
Catalog No :	YT6101
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC
Target :	MYH6
Fields :	>>cGMP-PKG signaling pathway;>>Cardiac muscle contraction;>>Adrenergic signaling in cardiomyocytes;>>Thyroid hormone signaling pathway;>>Hypertrophic cardiomyopathy;>>Dilated cardiomyopathy;>>Viral myocarditis
Gene Name :	MYH6
Protein Name :	MYH6
Human Gene Id :	4624
Human Swiss Prot No :	P13533
Mouse Gene Id :	17888
Mouse Swiss Prot No :	Q02566
Immunogen :	Synthesized peptide derived from human MYH6. at AA range: 341-390
Specificity :	MYH6 Polyclonal Antibody detects endogenous levels of MYH6
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000;IHC 1:50-300
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	200kD
Cell Pathway :	Cardiac muscle contraction;Tight junction;Hypertrophic cardiomyopathy (HCM);Dilated cardiomyopathy;Viral myocarditis;
Background :	Cardiac muscle myosin is a hexamer consisting of two heavy chain subunits, two light chain subunits, and two regulatory subunits. This gene encodes the alpha heavy chain subunit of cardiac myosin. The gene is located ~4kb downstream of the gene encoding the beta heavy chain subunit of cardiac myosin. Mutations in this gene cause familial hypertrophic cardiomyopathy and atrial septal defect 3. [provided by RefSeq, Mar 2010],
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
Subcellular Location :	Cytoplasm, myofibril. Thick filaments of the myofibrils.
Expression :	Atrial,

Products Images



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).