Best Tools for immunology Research

MYL3 Polyclonal Antibody

Catalog No :	YT2936
Reactivity :	Human;Rat;Mouse;
Applications :	WB;ELISA;IHC
Target :	MYL3
Fields :	>>Cardiac muscle contraction;>>Adrenergic signaling in cardiomyocytes;>>Apelin signaling pathway;>>Hypertrophic cardiomyopathy;>>Dilated cardiomyopathy
Gene Name :	MYL3
Protein Name :	Myosin light chain 3
Human Gene Id :	4634
Human Swiss Prot No :	P08590
Mouse Swiss Prot No :	P09542
Immunogen :	The antiserum was produced against synthesized peptide derived from human MYL3. AA range:71-120
Specificity :	MYL3 Polyclonal Antibody detects endogenous levels of MYL3 protein.
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; ELISA 2000-20000
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 : 22kD

Cell Pathway : Cardiac muscle contraction;Hypertrophic cardiomyopathy (HCM);Dilated cardiomyopathy;

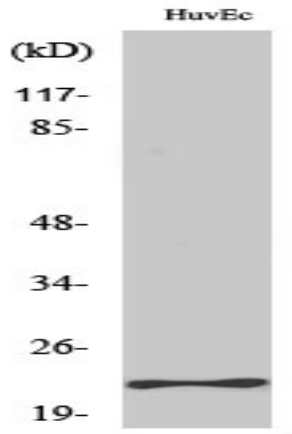
Background : MYL3 encodes myosin light chain 3, an alkali light chain also referred to in the literature as both the ventricular isoform and the slow skeletal muscle isoform. Mutations in MYL3 have been identified as a cause of mid-left ventricular chamber type hypertrophic cardiomyopathy. [provided by RefSeq, Jul 2008],

Function : disease:Defects in MYL3 are the cause of cardiomyopathy familial hypertrophic type 8 (CMH8) [MIM:608751]. 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. CMH8 inheritance can be autosomal dominant or recessive.,disease:Defects in MYL3 are the cause of cardiomyopathy hypertrophic with mid-left ventricular chamber type 1 (MVC1) [MIM:608751]. MVC1 is a very rare variant of familial hypertrophic cardiomyopathy, characterized by mid-left ventricular chamber thickening.,function:Regulatory

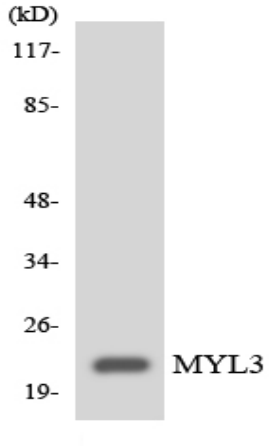
Subcellular Location : cytosol,muscle myosin complex,myosin complex,sarcomere,A band,I band,

Expression : Heart,Skeletal muscle,

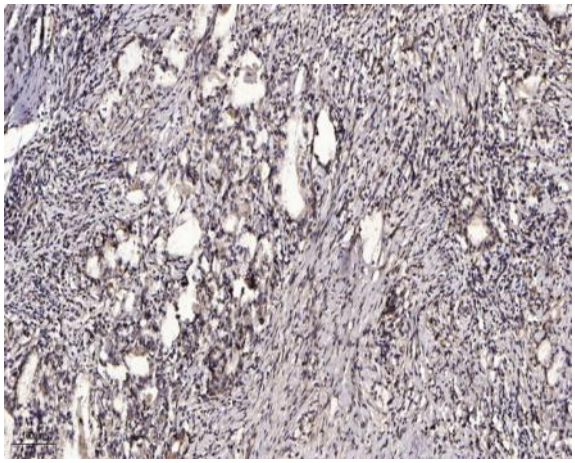
Products Images



Western Blot analysis of various cells using MYL3 Polyclonal Antibody



Western blot analysis of the lysates from HeLa cells using MYL3 antibody.



Immunohistochemical analysis of paraffin-embedded human Gastric adenocarcinoma. 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).