

## MYL2 Polyclonal Antibody

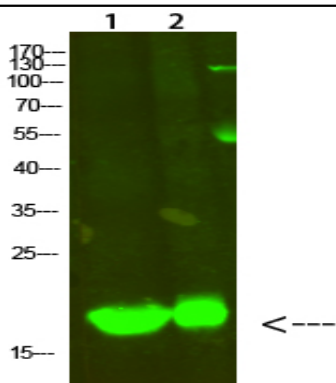
<b>Catalog No :</b>	YT6094
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;ELISA;IHC
<b>Target :</b>	MYL2
<b>Fields :</b>	>>Cardiac muscle contraction;>>Adrenergic signaling in cardiomyocytes;>>Apelin signaling pathway;>>Focal adhesion;>>Tight junction;>>Leukocyte transendothelial migration;>>Regulation of actin cytoskeleton;>>Shigellosis;>>Salmonella infection;>>Hypertrophic cardiomyopathy;>>Dilated cardiomyopathy
<b>Gene Name :</b>	MYL2
<b>Protein Name :</b>	MYL2
<b>Human Gene Id :</b>	4633
<b>Human Swiss Prot No :</b>	P10916
<b>Mouse Gene Id :</b>	17906
<b>Mouse Swiss Prot No :</b>	P51667
<b>Immunogen :</b>	Synthesized peptide derived from human MYL2. at AA range: 91-140
<b>Specificity :</b>	MYL2 Polyclonal Antibody detects endogenous levels of MYL2
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

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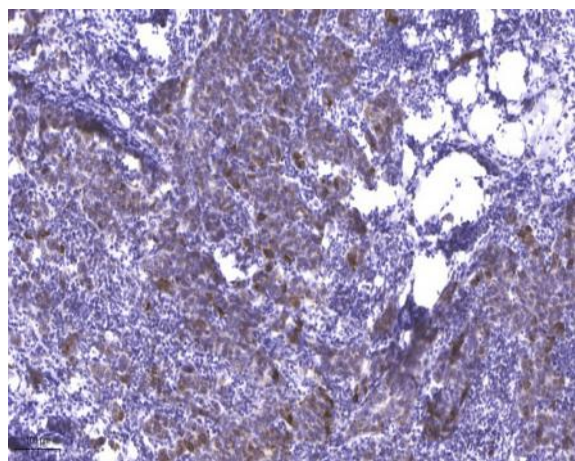
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	18kD
<b>Cell Pathway :</b>	Cardiac muscle contraction;Focal adhesion;Tight junction;Leukocyte transendothelial migration;Regulates Actin and Cytoskeleton;Hypertrophic cardiomyopathy (HCM);Dilated cardiomyopathy;
<b>Background :</b>	Thus gene encodes the regulatory light chain associated with cardiac myosin beta (or slow) heavy chain. Ca <sup>+</sup> triggers the phosphorylation of regulatory light chain that in turn triggers contraction. Mutations in this gene are associated with mid-left ventricular chamber type hypertrophic cardiomyopathy. [provided by RefSeq, Jul 2008],
<b>Function :</b>	disease:Defects in MYL2 are the cause of cardiomyopathy familial hypertrophic type 10 (CMH10) [MIM:608758]. 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 MYL2 are the cause of cardiomyopathy hypertrophic with mid-left ventricular chamber type 2 (MVC2) [MIM:608758]. MVC2 is a very rare variant of familial hypertrophic cardiomyopathy, characterized by mid-left ventricular chamber thickening.,miscellaneous:This chain binds calcium.,similarity:Contains 3 EF-hand doma
<b>Subcellular Location :</b>	Cytoplasm, myofibril, sarcomere, A band .
<b>Expression :</b>	Highly expressed in type I muscle fibers.
<b>Sort :</b>	10469
<b>No4 :</b>	1
<b>Host :</b>	Rabbit
<b>Modifications :</b>	Unmodified

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## Products Images



Western Blot analysis of 1, mouse-heart 2, Hela cells using primary antibody diluted at 1:500 (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 Breast cancer. 1, Antibody was diluted at 1:200 (4 °C overnight). 2, Tris-EDTA, pH 9.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200 (room temperature, 45 min).