MYL2 (ANT0025R) Rabbit mAb

CatalogNo: ANT8267 Recombinant

Formulation: PBS,50%glycerol,0.05%Proclin 300,0.05%BSA
Quantity : 100 ug/vial

Host Species	Reactivity	Applications
• Rabbit	• Human,Mouse,Rat,	• WB,IHC,IF,IP,ELISA

MW	Isotype
• 18kD (Calculated) 18kD (Observed)	• IgG,Kappa

Recommended Dilution Ratios

IHC 1:200-1:1000
WB 1:2000-1:10000
IF 1:200-1:1000
ELISA 1:5000-1:20000
IP 1:50-1:200

Storage

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

Basic Information

Clonality	Monoclonal
Clone Number	ANT0025R

Target Information

Immunogen Information Specificity

Endogenous

Gene name MYL2

Protein Name MYL2

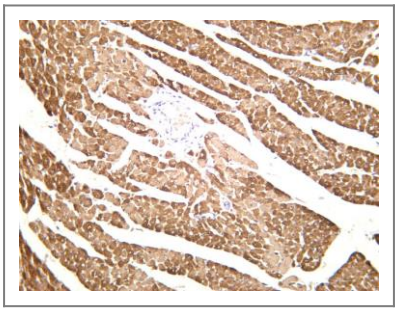
Organism	Gene ID	UniProt ID
Human	4633;	P10916;
Mouse	17906;	P51667;

Cellular Localization Cytoplasm

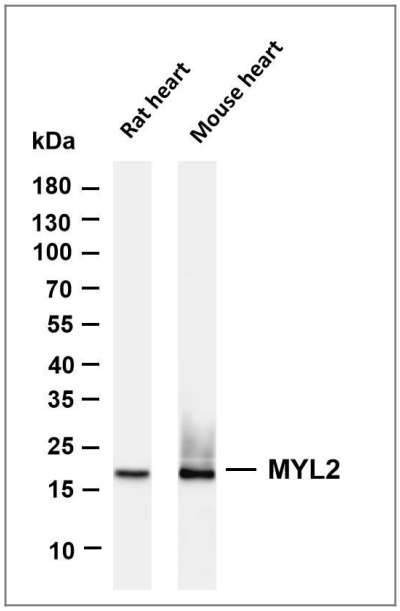
Tissue specificity Highly expressed in type I muscle fibers.

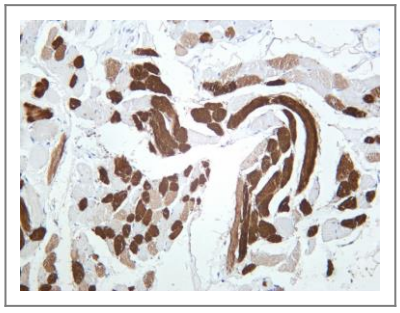
Function Disease:Defects in MYL2 are the cause of cardiomyopathy familial hypertrophic type 10 (CMH10) [MIM:608758]. Familial hypertrophic cardiomyopathy is a hereditary heart disorder characterized by ventricular hypertrophy, which is usually asymmetric and often involves the interventricular septum. 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 domains.,subunit:Myosin is an hexamer of 2 heavy chains and 4 light chains.,

Validation Data

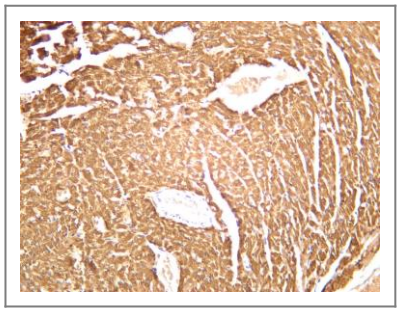


Rat cardiac muscle was stained with anti-MYL2 (ANT0025R) rabbit antibody Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-MYL2 (ANT0067R) antibody. The HRPconjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: Rat heart Lane 2: Mouse heart Predicted band size: 18kDa Observed band size: 18kDa





Human skeletal muscle was stained with anti-MYL2 (ANT0025R) rabbit antibody



Mouse cardiac muscle was stained with anti-MYL2 (ANT0025R) rabbit antibody