For Research Use Only

Myosin Light Chain 2/MLC-2V Polyclonal antibody Catalog Number:55462-1-AP 3 Publications



| Basic Information | Catalog Number: 55462-1-AP | | | Purification Method: Antigen affinity purification Recommended Dilutions: WB 1:2000-1:20000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500 | |
|--|--|---|---|---|--------------|
| | Size: | | | | |
| | 150ul, Concentration: 1000 ug/ml by | | | | |
| | Nanodrop and 793 ug/ml by Bradford method using BSA as the standard; Source: Rabbit Isotype: IgG | | | | |
| | | | | | |
| | | cardiac, slow Calculated MW: 19 kDa Observed MW: 18-20 kDa | | | |
| | | | | | |
| | | | | | Applications |
| WB, IHC, FC (Intra), IP, ELISA | ELISA WB: rat h | | eart tissue, | | |
| Cited Applications: WB, IF | IP : mouse brain tissue, | | | | |
| Species Specificity: human, mouse, rat | | IHC : mouse brain tissue, human heart tissue, hu skeletal muscle tissue | | | |
| Cited Species: human, mouse | | | | | |
| Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 | | | | | |
| | | | | | |
| Background Information | MYL2, also named as MLC-2v and MLC cardiomyopathy familial hypertrophi hypertrophic with mid-left ventricula ventricular cardiomyocytes. | c type 10 (CMH10). De | efects in MYL2 ar | e the cause of cardiomyopathy famili | |
| | cardiomyopathy familial hypertrophi hypertrophic with mid-left ventricula ventricular cardiomyocytes. | c type 10 (CMH10). De | efects in MYL2 ar C2). MYL2 has be | e the cause of cardiomyopathy familia en widely used as a marker of mature | |
| | cardiomyopathy familial hypertrophi hypertrophic with mid-left ventricula ventricular cardiomyocytes. Author Pub | c type 10 (CMH10). De r chamber type 2 (MV0 omed ID Jour | efects in MYL2 ar C2). MYL2 has be | e the cause of cardiomyopathy famili | |
| | cardiomyopathy familial hypertrophi hypertrophic with mid-left ventricular ventricular cardiomyocytes. Author Pub Chao Ci 304 | c type 10 (CMH10). De r chamber type 2 (MV0 pmed ID Jour 31060 Int J | efects in MYL2 ar C2). MYL2 has be nal | e the cause of cardiomyopathy familia en widely used as a marker of mature Application | |
| | cardiomyopathy familial hypertrophi hypertrophic with mid-left ventricular ventricular cardiomyocytes. Author Put Chao Ci 304 Kiwon Ban 266 | c type 10 (CMH10). De r chamber type 2 (MV0 pmed ID Jour 31060 Int J | efects in MYL2 ar C2). MYL2 has be nal Mol Med n Cell Reports | e the cause of cardiomyopathy familia en widely used as a marker of mature Application WB | |
| Background Information Notable Publications Storage | cardiomyopathy familial hypertrophi hypertrophic with mid-left ventricular ventricular cardiomyocytes. Author Put Chao Ci 304 Kiwon Ban 266 | c type 10 (CMH10). De r chamber type 2 (MV0 5000 Int J 551608 Ster 113824 iScie er shipment. | efects in MYL2 ar C2). MYL2 has be nal Mol Med n Cell Reports | e the cause of cardiomyopathy familia en widely used as a marker of mature Application WB IF | |

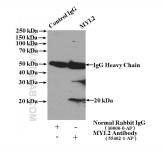
For technical support and original validation data for this product please contact: T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free E: proteintech@ptglab.com in USA), or 1(312) 455-8498 (outside USA) W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



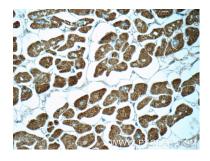
rat heart tissue were subjected to SDS PAGE followed by western blot with 55462-1-AP (MYL2 Antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



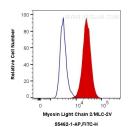
IP result of anti-Myosin Light Chain 2/MLC-2V (IP:55462-1-AP, 4ug; Detection:55462-1-AP 1:500) with mouse brain tissue lysate 4000ug.



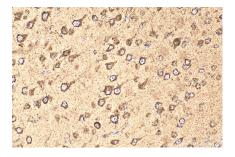
Immunohistochemical analysis of paraffinembedded human heart tissue slide using 55462-1-AP (MYL2 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffinembedded human heart tissue slide using 55462-1-AP (MYL2 Antibody) at dilution of 1:50 (under 40x lens).



1X10^6 C2C 12 cells were intracellularly stained with 0.4 ug Anti-Human Myosin Light Chain 2/MLC-2V (55462-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunohistochemical analysis of paraffinembedded mouse brain tissue slide using 55462-1-AP (Myosin Light Chain 2/MLC-2V antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).