

Allgemeine Informationen

Katalog-Nr.: 67533-1-Ig	GenBank-Zugangsnummer: BC030228	Reinigungsmethode: Protein-A-Reinigung
Größe: 150ul, Konzentration: 1200 µg/ml von 4635 Nanodrop und 500 µg/ml durch die Bradford-Methode mit BSA als Standard;	GeneID (NCBI): myosin, light chain 4, alkali; atrial, embryonic	CloneNo.: 2F5C1
Wirt: Maus	Vollständiger Name: myosin, light chain 4, alkali; atrial, embryonic	Empfohlene Verdünnungen: WB 1:5000-1:50000 IHC 1:150-1:600 IF 1:200-1:800
Isotyp: IgG2b	Berechnete Masse: 197 aa, 22 kDa	
Immunogen Katalognummer: AG19244	Beobachtete Masse: 22-25 kDa	

Anwendungen

Geprüfte Anwendungen: FC, IF, IHC, WB, ELISA	Positivkontrollen:
In Publikationen genannte Anwendungen: IF, WB	WB: Hausschwein-Herzgewebe, rat heart tissues, mouse heart tissues
Getestete Reaktivität: Hausschwein, Human, Maus, Ratte	IHC: humanes Herzgewebe,
Zitierte Arten: Hausschwein, Human, Maus	IF: Mausherzgewebe,
Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.	

Hintergrundinformationen

Myosin light-chain 4 (MYL4) encodes an essential myosin light chain that is expressed in embryonic whole heart and skeletal muscle. It is specifically expressed in human atria after birth. MYL4 is essential for atrial electrical, functional, and structural integrity, and MYL4 dysfunction can produce severe inherited atrial cardiomyopathy.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Shixiong Dong	36202278	Gene	WB
Lei Bai	36042463	Cell Biosci	WB
Emmi Helle	34422835	Front Cell Dev Biol	IF

Lagerung

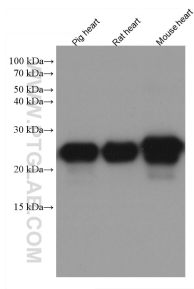
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

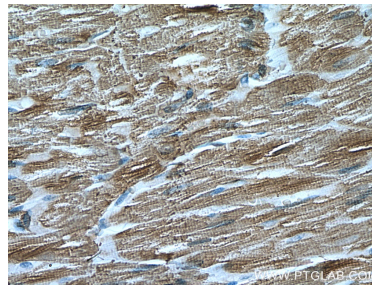
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

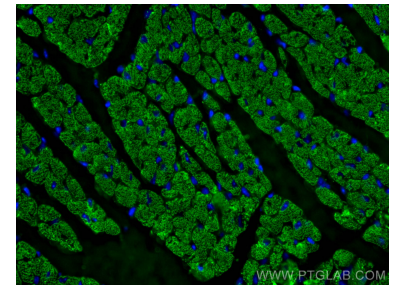
Ausgewählte Validierungsdaten



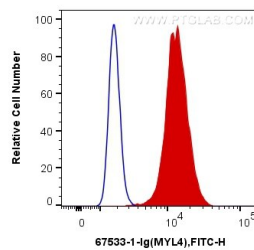
Various lysates were subjected to SDS PAGE followed by western blot with 67533-1-Ig (MYL4 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 67533-1-Ig (MYL4 antibody) at dilution of 1:300 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse heart tissue using MYL4 antibody (67533-1-Ig, Clone: 2F5C1) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



1X10⁶ C2C12 cells were intracellularly stained with 0.4 ug Anti-Human MYL4 (67533-1-Ig, Clone:2F5C1) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse 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).