

À des fins de recherche uniquement

Anticorps Monoclonal anti-MYL4

Numéro de catalogue: 67533-1-Ig 3 Publications



Informations de base

Numéro de catalogue: 67533-1-Ig	Numéro d'acquisition GenBank: BC030228	Méthode de purification: Purification par protéine A
Taille: 150ul , Concentration: 1200 µg/ml by Nanodrop and 500 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 4635	CloneNo.: 2F5C1
Hôte: Mouse	Nom complet: myosin, light chain 4, alkali; atrial, embryonic	Dilutions recommandées: WB 1:5000-1:50000 IHC 1:150-1:600 IF 1:200-1:800
Isotype: IgG2b	MW calculé 197 aa, 22 kDa	
Immunogen Catalog Number: AG19244	MW observés: 22-25 kDa	

Applications

Applications testées: FC, IF, IHC, WB, ELISA	Contrôles positifs:
Demandes citées: IF, WB	WB : tissu cardiaque de porc, tissus cardiaques de rat, tissus cardiaques de souris
Spécificité de l'espèce: Humain, porc, rat, souris	IHC : tissu cardiaque humain,
Espèces citées: Humain, porc, souris	IF : tissu cardiaque de souris,
Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) A défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.	

Informations générales

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.

Publications notables

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

Stockage

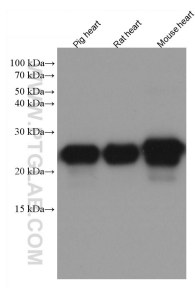
Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

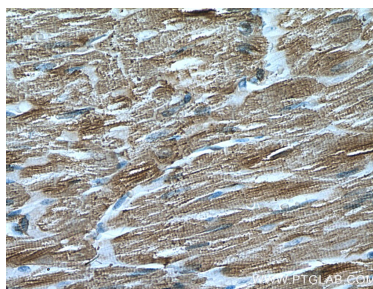
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

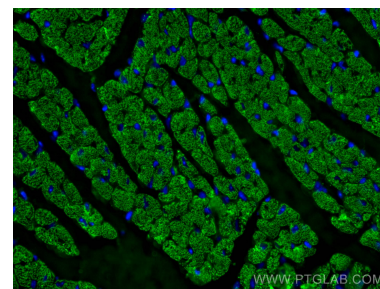
Données de validation sélectionnées



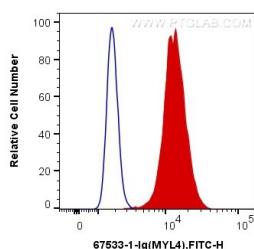
Various lysates were subjected to SDS PAGE followed by western blot with 67533-1-Ig (MYL4 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



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).