

À des fins de recherche uniquement

Anticorps Monoclonal anti-Calsequestrin 2



Numéro de catalogue: 66419-1-Ig

1 Publications

Informations de base

Numéro de catalogue: 66419-1-Ig	Numéro d'acquisition GenBank: BCO22288	Méthode de purification: Purification par protéine A
Taille: 150ul, Concentration: 1500 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 845	CloneNo.: 1C10A1
Hôte: Mouse	Nom complet: calsequestrin 2 (cardiac muscle)	Dilutions recommandées: WB 1:5000-1:50000 IHC 1:50-1:500 IF 1:200-1:800
Isotype: IgG2a	MW calculé: 46 kDa	
Immunogen Catalog Number: AG13246	MW observés: 50 kDa	

Applications

Applications testées:

IF, IHC, WB, ELISA

Demandes citées:

IHC

Spécificité de l'espèce:

Humain, porc, rat, souris

Espèces citées:

Humain

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.

Contrôles positifs:

WB : tissu cardiaque de porc, tissu cardiaque de rat, tissu cardiaque de souris, tissu cardiaque humain, tissu de muscle squelettique de porc, tissu de muscle squelettique de rat, tissu de muscle squelettique de souris, tissu de muscle squelettique humain

IHC : tissu cardiaque humain,

IF : tissu cardiaque de souris,

Informations générales

Calsequestrin (CASQ) is a Ca²⁺-binding protein present primarily in junctional sarcoplasmic reticulum of skeletal and cardiac muscle; the cardiac form (CASQ2) is encoded by a separate gene. The primary role of CASQ2 is buffering of the sarcoplasmic reticulum Ca²⁺ ions, but another role for CASQ2 has emerged recently: CASQ2 regulates the open probability of ryanodine receptor 2 (RyR2). Mutations in CASQ2 cause stress-induced polymorphic ventricular tachycardia, also referred to as catecholaminergic polymorphic ventricular tachycardia 2 (CPVT2), a disease characterized by bidirectional ventricular tachycardia that may lead to cardiac arrest.

Publications notables

Autrice	Pubmed ID	Journal	Application
Takamura Nagasaka	33184660	J Neuropathol Exp Neurol	IHC

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.

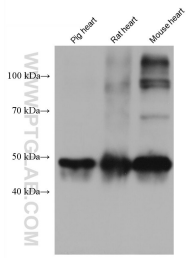
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

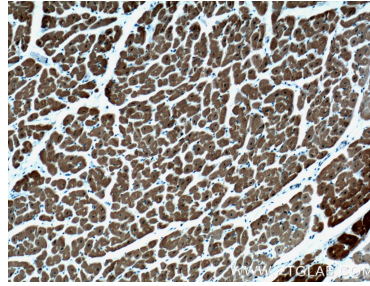
E: proteintech@ptglab.com
W: ptglab.com

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

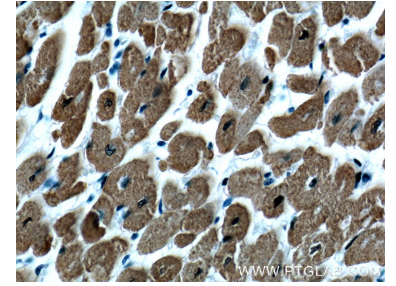
Données de validation sélectionnées



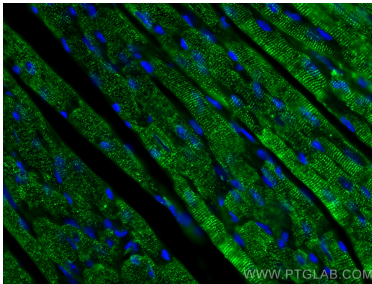
Various lysates were subjected to SDS PAGE followed by western blot with 66419-1-Ig (Calsequestrin 2 antibody) at dilution of 1:30000 incubated at room temperature for 1.5 hours.



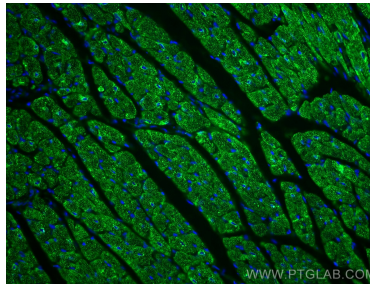
Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 66419-1-Ig (Calsequestrin 2 antibody at dilution of 1:400 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 66419-1-Ig (Calsequestrin 2 antibody at dilution of 1:400 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed mouse heart tissue using Calsequestrin 2 antibody (66419-1-Ig, Clone: 1C10A1) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse heart tissue using Calsequestrin 2 antibody (66419-1-Ig, Clone: 1C10A1) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).