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anti-Calsequestrin antibody (AA 1-100)



Overview

Quantity:	100 μL
Target:	Calsequestrin (CASQ1)
Binding Specificity:	AA 1-100
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Calsequestrin antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Calsequestrin
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat,Dog,Cow,Sheep,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target: Calsequestrin (CASQ1)

Target Details

Alternative Name:	Calsequestrin-1 (CASQ1 Products)
Background:	Synonyms: CASQ, Calsequestrin 1, Calsequestrin 1 fast twitch skeletal muscle, Calsequestrin
	skeletal muscle isoform, CASQ 1, CASQ1, PDIB1, Skeletal muscle calsequestrin 1, Calmitine.
	Background: The sarcoplasmic reticulum (SR) is, in part, responsible for maintaining the level o
	intracellular calcium in cardiac and skeletal muscle by storing and releasing calcium. Several
	intralumenal SR calcium binding proteins have been identified, the most prominent of these is
	calsequestrin. Calsequstrin is a calcium binding protein known to sequester calcium
	accumulated in the sarcoplasmic reticulum of muscle cells during relaxation and is found
	discretely localized to the junctional and corbular (terminal cisternae) SR. Calsequestrin
	functions to localize calcium near the junctional face of the terminal cisternae from which
	calcium can be released into the cytosol via the ryanodine receptor. This protein is highly acidic
	and has a large capacity and moderate to low affinity for calcium.
Gene ID:	844
UniProt:	P31415
Application Details	
Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
	ICC 1:100-500
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

Handling

	handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months