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Datasheet for ABIN6978632

anti-Calsequestrin antibody (AA 1-100) (AbBy Fluor® 555)

Overview

Quantity:	100 µL
Target:	Calsequestrin (CASQ1)
Binding Specificity:	AA 1-100
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Calsequestrin antibody is conjugated to AbBy Fluor® 555
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

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)
Alternative Name:	Calsequestrin-1 (CASQ1 Products)

Target Details

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 of intracellular calcium in cardiac and skeletal muscle by storing and releasing calcium. Several intraluminal SR calcium binding proteins have been identified, the most prominent of these is calsequestrin. Calsequestrin 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: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months