

Rabbit Calsequestrin 1 Monoclonal Antibody | anti-CASQ1 antibody

Calsequestrin 1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312623	Rabbit	Human, Mouse, Rat	Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

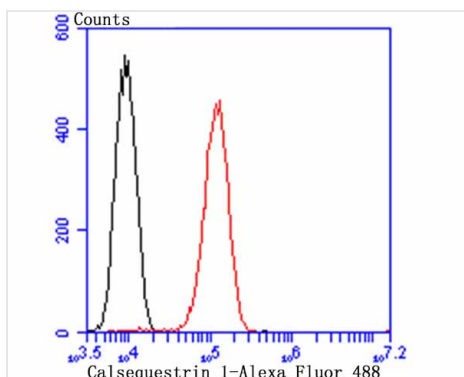
PRODUCT SYNONYMS

Calsequestrin 1; Monoclonal Antibody; Calsequestrin 1 Antibody; Calmitin antibody; Calmitine antibody; Calsequestrin 1 (fast twitch; skeletal muscle) antibody; Calsequestrin antibody; Calsequestrin; cell antibody; skeletal muscle isoform antibody; Calsequestrin-1 antibody; CASQ antibody; Casq1 antibody; CASQ1_HUMAN antibody; PDIB1 antibody; anti-CASQ1 antibody

PRODUCT SPECIFICATIONS

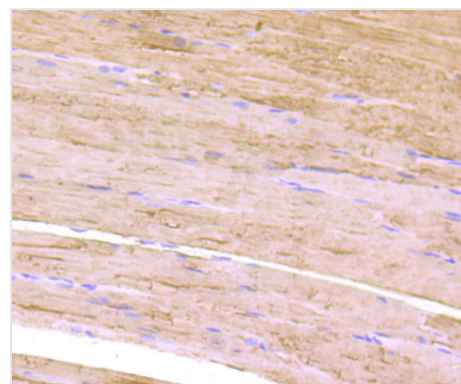
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	JB57-37
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Sequence Length	396
Applicable Applications for anti-CASQ1 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



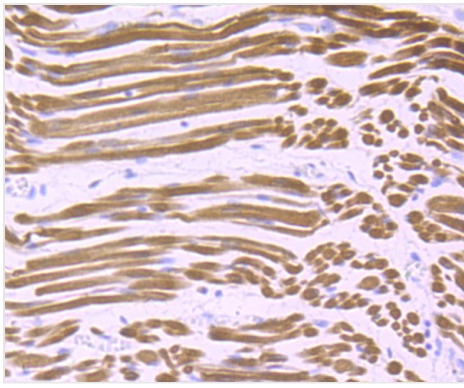
FCM/FACS (Flow Cytometry)

Flow cytometric analysis of C2C12 cells with Calsequestrin 1 antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



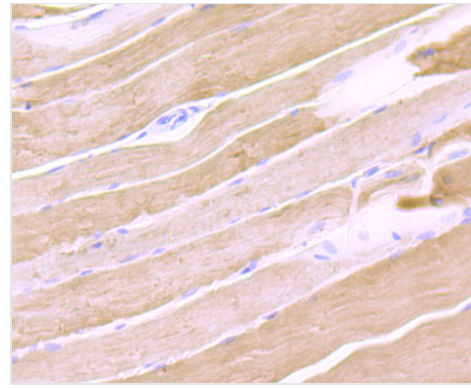
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue using anti-Calsequestrin 1 antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human fetal skeletal muscle tissue using anti-Calsequestrin 1 antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded rat skeletal muscle tissue using anti-Calsequestrin 1 antibody. Counter stained with hematoxylin.

ADDITIONAL INFORMATION

Related Product Information for anti-CASQ1 antibody	Calsequestrin (CS, also known as CSQ) is the major calcium-binding protein of cardiac and skeletal muscle whose function is to sequester calcium in the lumen of the sarcoplasmic reticulum (SR). In mammals, there are two forms of this protein, calsequestrin 1 and calsequestrin 2, which encode fast-twitch skeletal muscle and cardiac calsequestrin, respectively. Calsequestrin 1, also known as Calmitin, is located in the terminal cisternae luminal spaces of the SR of fast skeletal muscle cells. Calsequestrin 2 is present in terminal cisternae luminal spaces of the SR of both cardiac and slow skeletal muscle cells. In addition, calsequestrin regulates the ryanodine receptor signaling (RyR) through Triadin and Junctin.
Product Categories/Family for anti-CASQ1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	341940551
NCBI GeneID	844
UniProt Accession #	P31415
Molecular Weight	45kDa
NCBI Official Full Name	Calsequestrin-1
NCBI Official Synonym Full Names	calsequestrin 1
NCBI Official Symbol	CASQ1
NCBI Official Synonym Symbols	CASQ; PDIB1; VMCQA
NCBI Protein Information	calsequestrin-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/calsequestrin-1-antibody-clone-jb57-37-flow-cytometry-immunohistochemistry-western-blot-elisa/312623>