

Rabbit anti-Human Calsequestrin 1 Monoclonal Antibody | anti-CASQ1 antibody

Calsequestrin 1 Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282775	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

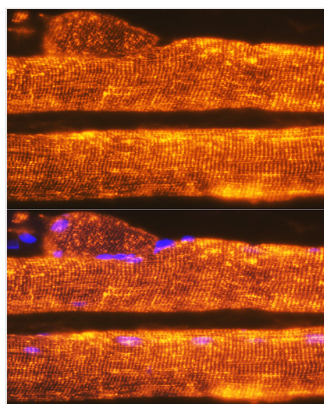
PRODUCT SYNONYMS

Calsequestrin 1; Monoclonal Antibody; Calsequestrin 1 Rabbit mAb; CASQ; CSQ1; PDIB1; VMCQA; anti-CASQ1 antibody

PRODUCT SPECIFICATIONS

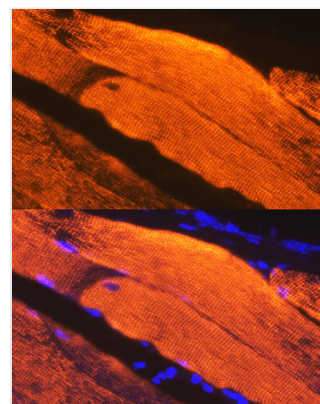
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	EDKGVGFGLV DSEKDAAVAK KLGLTEVDSM YVFKGDEVIE YDGEFSADTI VEFLLDVLED PVELIEGERE LQAFENIEDE IKLIGYFKSK DSEHYKAFED A
Applicable Applications for anti-CASQ1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Cross Reactivity	Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 100-200 of human Calsequestrin 1 (NP_001222.3).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



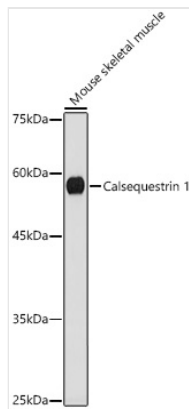
IF (Immunofluorescence)

Immunofluorescence analysis of paraffin-embedded Rat skeletal muscle using Calsequestrin 1 Rabbit mAb (AAA282775) at dilution of 1:100. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



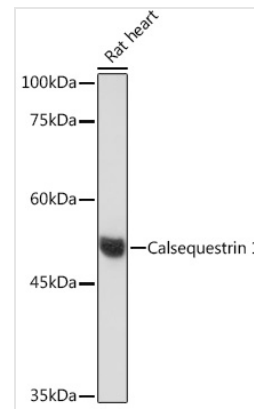
IF (Immunofluorescence)

Immunofluorescence analysis of paraffin-embedded Mouse skeletal muscle using Calsequestrin 1 Rabbit mAb (AAA282775) at dilution of 1:100. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of lysates from Mouse skeletal muscle, using Calsequestrin 1 Rabbit mAb (AAA282775) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.



WB (Western Blot)

Western blot analysis of lysates from Rat heart, using Calsequestrin 1 Rabbit mAb (AAA282775) at 1:500 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.

ADDITIONAL INFORMATION

Related Product Information for anti-CASQ1 antibody	This gene encodes the skeletal muscle specific member of the calsequestrin protein family. Calsequestrin functions as a luminal sarcoplasmic reticulum calcium sensor in both cardiac and skeletal muscle cells. This protein, also known as calmitine, functions as a calcium regulator in the mitochondria of skeletal muscle. This protein is absent in patients with Duchenne and Becker types of muscular dystrophy.
Product Categories/Family for anti-CASQ1 antibody	Signal Transduction ; Signal Transduction ; Neuroscience ; Calcium Signaling ; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GeneID	844
UniProt Accession #	P31415
Molecular Weight	Calculated MW: 45kDa Observed MW: 55kDa

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-immunocytochemistry-immunofluorescence-western-blot-elisa/282775>