

Rabbit anti-Mouse, Rat CASQ2 Polyclonal Antibody | anti-CASQ2 antibody

CASQ2 Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA281696	Rabbit	Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

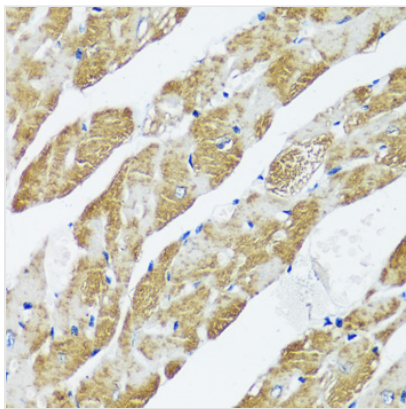
PRODUCT SYNONYMS

CASQ2; Polyclonal Antibody; CASQ2 Rabbit pAb; PDIB2; anti-CASQ2 antibody

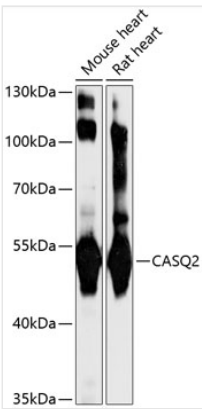
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence	EEGLNFPTYD GKDRVVSLSE KNFKQVLKKY DLLCLYYHEP VSSDKVTQKQ FQLKEIVLEL VAQVLEHKA GFVMVDAKKE AKLAKKLGFD EEGSLYILKG DRTIEFDGEF AADVLEFLL DLIEDPVEII SSKLEVQAFE RIEDYIKLIG FFKSEDSEYY KAFEEAAEHF QPYIKFFATF DKGVAKKLSL KMNEVDFYEP FMDEPIAIPN KPYTEEELVE FVKEHQRPTL RRLRPEEMFE TWEDDLNGIH IVAFAEKSDP DGYEFLEILK QVARDNTDNP DLSILWIDPD DFPLLWAYWE KTFKIDLFRP QIGVVNVTDA DSVWMEIPDD DDLPTAEELE DWIEDVLSGK INTEDDDEDD DDDDNSDEED NDDSDDDDDDE
Applicable Applications for anti-CASQ2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 20-399 of human CASQ2 (NP_001223.2).
Positive Samples	Mouse heart, Rat heart
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Immunohistochemistry of paraffin-embedded mouse heart using CASQ2 antibody at dilution of 1:100 (40x lens).



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using CASQ2 antibody at 1:1000 dilution.Secondary antibody: HRP 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: 1s.

ADDITIONAL INFORMATION

Related Product Information for anti-CASQ2 antibody	Background: The protein encoded by this gene specifies the cardiac muscle family member of the calsequestrin family. Calsequestrin is localized to the sarcoplasmic reticulum in cardiac and slow skeletal muscle cells. The protein is a calcium binding protein that stores calcium for muscle function. Mutations in this gene 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.
Product Categories/Family for anti-CASQ2 antibody	Neuroscience; Calcium Signaling; Research; Cardiovascular; Heart; Cardiac metabolism; Research; Cardiovascular; Heart; Cardiac arrhythmias

NCBI AND UNIPROT INFORMATION

NCBI GI #	119395727
NCBI GeneID	845
NCBI Accession #	NP_001223.2
NCBI GenBank Nucleotide #	NM_001232.3
UniProt Accession #	O14958; Q5T1D2; Q8TBW8; B2R7M6; B4DIB0
Molecular Weight	38,269 Da
NCBI Official Full Name	calsequestrin-2
NCBI Official Synonym Full Names	calsequestrin 2 (cardiac muscle)
NCBI Official Symbol	CASQ2
NCBI Official Synonym Symbols	PDIB2
NCBI Protein Information	calsequestrin-2; calsequestrin 2, fast-twitch, cardiac muscle; calsequestrin, cardiac muscle isoform
UniProt Protein Name	Calsequestrin-2
UniProt Gene Name	CASQ2
UniProt Entry Name	CASQ2_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/casq2-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/281696>