

CASQ2 Rabbit pAb

Catalog No.	A16797	Category	Polyclonal Antibodies
Applications	WB, IHC, IF	Observed MW	46kDa
Cross-reactivity	Mouse, Rat	Calculated MW	38kDa/46kDa

Immunogen Information

Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 20-399 of human CASQ2 (NP_001223.2).
Gene ID	845
Swiss prot	O14958
Synonyms	CASQ2;PDIB2

Product information

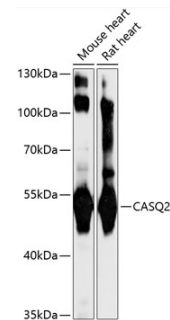
Source	Rabbit
Isotype	IgG
Purification method	Affinity purification
Storage	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Background

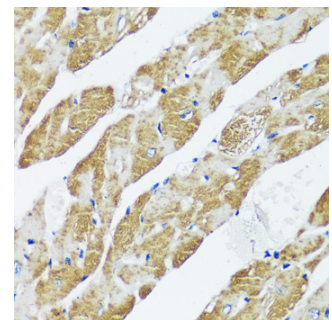
The protein encoded by this gene specifies the cardiac muscle family member of the calsequestrin family. Calsequestrin is localized to the sarcoplasmic reticulum in cardiac and slow skeletal muscle cells. The protein is a calcium binding protein that stores calcium for muscle function. Mutations in this 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.

Recommended Dilutions

WB	1:500 - 1:2000
IHC	1:50 - 1:100
IF	1:50 - 1:100



Western blot analysis of extracts of various cell lines, using CASQ2 antibody (A16797) 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.



Immunohistochemistry of paraffin-embedded mouse heart using CASQ2 antibody (A16797) at dilution of 1:100 (40x lens).