



Mouse anti-Human CASQ2 polyclonal antibody (DPAB-DC3481)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	CASQ2 (NP_001223, 21 a.a. ~ 119 a.a) partial recombinant protein with GST tag. The sequence is EGLNFPTYDGKDRVVSLSSEKNFKQVLKKYDLLCLYYHEPVSSDKVTPKQFQLKEIVLELV AQVLEHKAIGFVMVDAKKEAKLAKKLGFDEEGSLYILKG
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	CASQ2 calsequestrin 2 (cardiac muscle) [Homo sapiens (human)]
Official Symbol	CASQ2
Synonyms	CASQ2; calsequestrin 2 (cardiac muscle); PDIB2; calsequestrin-2; calsequestrin, cardiac muscle isoform; calsequestrin 2, fast-twitch, cardiac muscle;
Entrez Gene ID	845
Protein Refseq	NP_001223
UniProt ID	O14958
Chromosome Location	1p13.1
Pathway	Calcium Regulation in the Cardiac Cell;
Function	calcium ion binding; protein binding; protein homodimerization activity;