



Mouse anti-Human CASQ1 monoclonal antibody, clone 2E8 (CABT-B9901)

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

PRODUCT INFORMATION

Immunogen	CASQ1 (NP_001222, 29 a.a. ~ 131 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG3
Source/Host	Mouse
Species Reactivity	Human
Clone	2E8
Conjugate	Unconjugated
Applications	sELISA, ELISA
Sequence Similarities	QEGLDFPEYDGVDRVINVNAKNYKNVFKKYEVLLALLYHEPPEDDKASQRQFEMEEELILEL AAQVLEDKGVGFGFLVDSEKDAAVAKKLGTEVDSMYVFGDE*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	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. [provided by RefSeq, Jun 2013]

Keywords	CASQ1; calsequestrin 1 (fast-twitch, skeletal muscle); CASQ; PDIB1; calsequestrin-1; calmitin; calmitine; calsequestrin, skeletal muscle isoform;
-----------------	---

GENE INFORMATION

Entrez Gene ID	844
UniProt ID	P31415
Pathway	Calcium Regulation in the Cardiac Cell, organism-specific biosystem
Function	calcium ion binding
