



Mouse anti-Human CAMK1 monoclonal antibody, clone 4H2 (CABT-B9889)

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

PRODUCT INFORMATION

Immunogen	CAMK1 (NP_003647, 271 a.a. ~ 371 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	4H2
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	LQHPWIAGDTALDKNIHQSVSEIQIKNFAKSKWKQAFNATAVVRHMRKLQLGTSQEGQGQ TASHGELLTPVAGGPAAGCCCRDCCVEPGTELSPTLPHQL*
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	Calcium/calmodulin-dependent protein kinase I is expressed in many tissues and is a component of a calmodulin-dependent protein kinase cascade. Calcium/calmodulin directly
---------------------	---

activates calcium/calmodulin-dependent protein kinase I by binding to the enzyme and indirectly promotes the phosphorylation and synergistic activation of the enzyme by calcium/calmodulin-dependent protein kinase I kinase. [provided by RefSeq, Jul 2008]

Keywords	CAMK1; calcium/calmodulin-dependent protein kinase I; CAMKI; calcium/calmodulin-dependent protein kinase type 1; caM-KI; caMKI-alpha; caM kinase I alpha;
-----------------	---

GENE INFORMATION

Entrez Gene ID	8536
-----------------------	----------------------

UniProt ID	Q14012
-------------------	------------------------

Pathway	Calcium Regulation in the Cardiac Cell, organism-specific biosystem
----------------	---

Function	ATP binding; calmodulin binding; calmodulin-dependent protein kinase activity; nucleotide binding
-----------------	---
