



## 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

<b>Immunogen</b>	CAMK1 (NP_003647, 271 a.a. ~ 371 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	4H2
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, sELISA, ELISA
<b>Sequence Similarities</b>	LQHPWIAGDTALDKNIHQSVSEQIKKNFAKSKWKQAFNATAVVRHMRKLQLGTSQEGQQQ TASHGELLTPVAGGPAAGCCCRDCCVEPGTELSPTLPHQL*
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	In 1x PBS, pH 7.2
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

### BACKGROUND

<b>Introduction</b>	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
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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]

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

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## 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

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