10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.622.0609

CAMKK1 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP7768c

Specification

CAMKK1 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q8N5S9

CAMKK1 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 84254

Other Names
Calcium/calmodulin-dependent protein kinase kinase 1, CaM-KK 1, CaM-kinase kinase 1, CaMKK 1, CaM-kinase IV kinase, Calcium/calmodulin-dependent protein kinase kinase alpha, CaM-KK alpha, CaM-kinase kinase alpha, CaMKK alpha, CAMKK1, CAMKKA

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP7768c was selected from the Center region of human CAMKK1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CAMKK1 Antibody (Center) Blocking Peptide - Background

CAMKK1 belongs to the Serine/Threonine protein kinase family, and to the Ca(2+)/calmodulin-dependent protein kinase subfamily. This protein plays a role in the calcium/calmodulin-dependent (CaM) kinase cascade.

CAMKK1 Antibody (Center) Blocking Peptide - References

Guest,C.B., PLoS ONE 3 (2), E1606 (2008)Rudd,M.F., Genome Res. 16 (6), 693-701 (2006)Ishikawa,Y., FEBS Lett. 550 (1-3), 57-63 (2003)Matsushita,M., J. Biol. Chem. 274 (15), 10086-10093 (1999)

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Protein Information

Name CAMKK1

Synonyms CAMKKA

Function
Calcium/calmodulin-dependent protein kinase that belongs to a proposed calcium-triggered signaling cascade involved in a number of cellular processes. Phosphorylates CAMK1, CAMK1D, CAMK1G and CAMK4. Involved in regulating cell apoptosis. Promotes cell survival by phosphorylating AKT1/PKB that inhibits pro-apoptotic BAD/Bcl2- antagonist of cell death.

Cellular Location
Cytoplasm. Nucleus.

CAMKK1 Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides