

Mouse Camkk2 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP14951a**Specification**

Mouse Camkk2 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q8C078](#)**Mouse Camkk2 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 207565**Other Names**

Calcium/calmodulin-dependent protein kinase kinase 2, CaM-KK 2, CaM-kinase kinase 2, CaMKK 2, Calcium/calmodulin-dependent protein kinase kinase beta, CaM-KK beta, CaM-kinase kinase beta, CaMKK beta, Camkk2, Kiaa0787

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.

Mouse Camkk2 Antibody (N-term) Blocking Peptide - Protein Information**Name** Camkk2**Synonyms** Kiaa0787**Function**

Calcium/calmodulin-dependent protein kinase belonging to a proposed calcium-triggered signaling cascade involved in a number of cellular processes. Phosphorylates CAMK1, CAMK4 and CAMK1D (By similarity). Efficiently phosphorylates 5'-AMP-activated protein kinase (AMPK) trimer, including that consisting of PRKAA1, PRKAB1 and PRKAG1. This phosphorylation is stimulated in response to Ca(2+) signals (By similarity). May play a role in neurite growth. Isoform 2 may promote neurite elongation, while isoform 1 may promote neurite branching (By similarity). May be involved in hippocampal activation of CREB1.

Cellular Location

Nucleus {ECO:0000250|UniProtKB:Q96RR4}. Cytoplasm {ECO:0000250|UniProtKB:Q96RR4}. Cell projection, neuron projection {ECO:0000250|UniProtKB:Q96RR4}. Note=Predominantly nuclear in unstimulated cells, relocalizes into cytoplasm and neurites after forskolin induction. {ECO:0000250|UniProtKB:Q96RR4}

Tissue Location

Expressed in all tissues tested. A differential expression pattern compared to CAMKK1 is observed in the brain

Mouse Camkk2 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

Mouse Camkk2 Antibody (N-term) Blocking Peptide - Images**Mouse Camkk2 Antibody (N-term) Blocking Peptide - Background**

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Mouse Camkk2 Antibody (N-term) Blocking Peptide - References

Jin, X.L., et al. Biol. Reprod. 82(2):459-468(2010)Kokubo, M., et al. J. Neurosci. 29(28):8901-8913(2009)Anderson, K.A., et al. Cell Metab. 7(5):377-388(2008)Park, C.S., et al. Neuroscience 151(1):43-55(2008)Hoyer-Hansen, M., et al. Mol. Cell 25(2):193-205(2007)