

CAMK1G (CaMKI gamma) Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP7253b**Specification**

CAMK1G (CaMKI gamma) Antibody (C-term) Blocking peptide - Product InformationPrimary Accession
Other Accession[O96NX5](#)
[NP_065172](#)**CAMK1G (CaMKI gamma) Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 57172**Other Names**

Calcium/calmodulin-dependent protein kinase type 1G, CaM kinase I gamma, CaM kinase IG, CaM-KI gamma, CaMKI gamma, CaMKIG, CaMK-like CREB kinase III, CLICK III, CAMK1G, CLICK3, VWS1

Target/Specificity

The synthetic peptide sequence is selected from aa 434~450 of human CAMK1G.

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.

CAMK1G (CaMKI gamma) Antibody (C-term) Blocking peptide - Protein Information**Name** CAMK1G**Synonyms** CLICK3, VWS1**Function**

Calcium/calmodulin-dependent protein kinase belonging to a proposed calcium-triggered signaling cascade. In vitro phosphorylates transcription factor CREB1 (By similarity).

Cellular Location

Cytoplasm. Golgi apparatus membrane; Peripheral membrane protein. Cell membrane; Peripheral membrane protein

Tissue Location

Mainly expressed in brain with small amounts in skeletal muscles, kidney, spleen and liver. Strongly expressed in forebrain neocortex, striatum and limbic system

CAMK1G (CaMKI gamma) Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

CAMK1G (CaMKI gamma) Antibody (C-term) Blocking peptide - Images**CAMK1G (CaMKI gamma) Antibody (C-term) Blocking peptide - Background**

Ca²⁺/calmodulin-dependent protein kinase I (CaMKI) constitutes a family of closely related isoforms (alpha, beta and gamma). CLICK-III/CaMKIgamma is a novel membrane-anchored neuronal Ca²⁺/calmodulin-dependent protein kinase. AMKIgamma is abundant in neurons, particularly in the amygdala and ventromedial hypothalamus. Like the other CaMKI isoforms, full activation of CLICK-III/CaMKIgamma requires both Ca(2+)/CaM and phosphorylation by CaMKK.

CAMK1G (CaMKI gamma) Antibody (C-term) Blocking peptide - References

Takemoto-Kimura, S., et al., J. Biol. Chem. 278(20):18597-18605 (2003). Schutte, B.C., et al., Genome Res. 10(1):81-94 (2000).