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Anti-CAMKK2 Antibody (aa374-423)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18112

Specification

Anti-CAMKK2 Antibody (aa374-423) - Product Information

Application	**WB, IHC-P, E**
Primary Accession	Q96RR4
Predicted	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Calculated MW	**64746**

Anti-CAMKK2 Antibody (aa374-423) - Additional Information

Gene ID 10645

Alias Symbol	**CAMKK2**

Other Names
CAMKK2, CaM-kinase kinase 2, CaMKK beta, CAMKKB, CaM-KK beta, CaMKK, CAMKK beta protein, CaMKK 2, CaMKKbeta, KIAA0787, CaM KKB, CaM-kinase kinase beta, CaM-KK 2

Target/Specificity
CAMKK2 antibody detects endogenous levels of CAMKK2.

Reconstitution & Storage
Immunoaffinity purified

Precautions
Anti-CAMKK2 Antibody (aa374-423) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-CAMKK2 Antibody (aa374-423) - Protein Information

Name CAMKK2

Synonyms CAMKKB, KIAA0787

Function
Calcium/calmodulin-dependent protein kinase belonging to a proposed calcium-triggered signaling cascade involved in a number of cellular processes. Isoform 1, isoform 2 and isoform 3 phosphorylate CAMK1 and CAMK4. Isoform 3 phosphorylates CAMK1D. Isoform 4, isoform 5 and isoform 6 lacking part of the calmodulin-binding domain are inactive. 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). Seems to be involved in hippocampal activation of CREB1 (By similarity). May play a role in neurite growth. Isoform 3 may promote neurite elongation, while isoform 1 may promoter neurite branching.

Cellular Location
Nucleus. Cytoplasm. Cell projection, neuron projection. Note=Predominantly nuclear in unstimulated cells, relocalizes into cytoplasm and neurites after forskolin induction.

Tissue Location
Ubiquitously expressed with higher levels in the brain. Intermediate levels are detected in spleen, prostate, thyroid and leukocytes. The lowest level is in lung

Anti-CAMKK2 Antibody (aa374-423) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-CAMKK2 Antibody (aa374-423) - Images