

# Anti-CAMKK2 Antibody (aa374-423)

Rabbit Anti Human Polyclonal Antibody  
Catalog # ALS18112

## Product Information

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<b>Application</b>	WB, IHC-P, E
<b>Primary Accession</b>	<a href="#">Q96RR4</a>
<b>Predicted</b>	Human, Mouse, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Calculated MW</b>	64746

## Additional Information

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<b>Gene ID</b>	10645
<b>Alias Symbol</b>	CAMKK2
<b>Other Names</b>	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
<b>Target/Specificity</b>	CAMKK2 antibody detects endogenous levels of CAMKK2.
<b>Reconstitution &amp; Storage</b>	Immunoaffinity purified
<b>Precautions</b>	Anti-CAMKK2 Antibody (aa374-423) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	CAMKK2
<b>Synonyms</b>	CAMKKB, KIAA0787
<b>Function</b>	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.

<b>Cellular Location</b>	Nucleus. Cytoplasm. Cell projection, neuron projection. Note=Predominantly nuclear in unstimulated cells, relocalizes into cytoplasm and neurites after forskolin induction.
<b>Tissue Location</b>	Ubiquitously expressed with higher levels in the brain. Intermediate levels are detected in spleen, prostate, thyroid and leukocytes. The lowest level is in lung

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.