

Rabbit CAMKK2 Polyclonal Antibody | anti-CAMKK2 antibody

CAMKK2 Antibody (C-term)

CATALOG # AAA284640	HOST Rabbit	REACTIVITY Human (Predicted Reactivity: Mouse, Rat)	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

CAMKK2; Polyclonal Antibody; CAMKK2 Antibody (C-term); 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; CAMKKB; KIAA0787; anti-CAMKK2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CAMKK2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 483-512 amino acids from the C-terminal region of human CAMKK2.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	483-512
Sequence Length	588
Applicable Applications for anti-CAMKK2 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human brain tissue reacted with CAMKK2 antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of CAMKK2 (arrow) using rabbit polyclonal CAMKK2 Antibody (C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the CAMKK2 gene (Lane 2) (Origene Technologies).

ADDITIONAL INFORMATION

Related Product Information for anti-CAMKK2 antibody	CAMKK2 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 by phosphorylating the downstream kinases CaMK1 and CaMK4. 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. CAMKK2 appears to be involved in hippocampal activation of CREB1.
Product Categories/Family for anti-CAMKK2 antibody	Cancer; Signal Transduction
References	Hsu, L.S., et al., J. Biol. Chem. 276(33):31113-31123 (2001). Hsu, L.S., et al., J. Biomed. Sci. 5(2):141-149 (1998). Anderson, K.A., et al., J. Biol. Chem. 273(48):31880-31889 (1998). Ishikawa, Y., et al., FEBS Lett. 550 (1-3), 57-63 (2000).

NCBI AND UNIPROT INFORMATION

NCBI GI #	394953961
NCBI GeneID	10645
NCBI Accession #	NP_001257414.1; NP_001257415.1; NP_006540.3; NP_705719.2; NP_705720.1; NP_757363.1; NP_757364.1; NP_757365.1; NP_757380.1
NCBI GenBank Nucleotide #	NM_001270485.1
UniProt Accession #	Q96RR4; O94883; Q8IUG2; Q8IUG3; Q8N3I4; Q8WY03; Q8WY04; Q8WY05; Q8WY06; Q96RP1; Q96RP2; A8K7Q7
Molecular Weight	64746
NCBI Official Full Name	calcium/calmodulin-dependent protein kinase kinase 2 isoform 1
NCBI Official Synonym Full Names	calcium/calmodulin-dependent protein kinase kinase 2, beta
NCBI Official Symbol	CAMKK2
NCBI Official Synonym Symbols	CAMKK; CAMKKB
NCBI Protein Information	calcium/calmodulin-dependent protein kinase kinase 2
UniProt Protein Name	Calcium/calmodulin-dependent protein kinase kinase 2
UniProt Gene Name	CAMKK2
UniProt Synonym Gene Names	CAMKKB; KIAA0787; CaM-KK 2; CaM-kinase kinase 2; CaMKK 2; CaM-KK beta; CaM-kinase kinase beta; CaMKK beta
UniProt Entry Name	KKCC2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.