

Rabbit anti-Human CAMKK2 Polyclonal Antibody | anti-CAMKK2 antibody

CAMKK2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA307385	Rabbit	Human	Immunohistochemistry, Western Blot

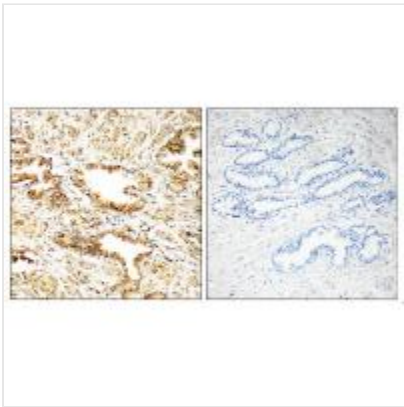
PRODUCT SYNONYMS

CAMKK2; Polyclonal Antibody; CAMKK2 Antibody; Calcium/calmodulin-dependent protein kinase kinase 2; CaM-KK 2; CaM-kinase kinase 2; CaMKK 2; Calcium/calmodulin-dependent protein kinase kinase beta; anti-CAMKK2 antibody

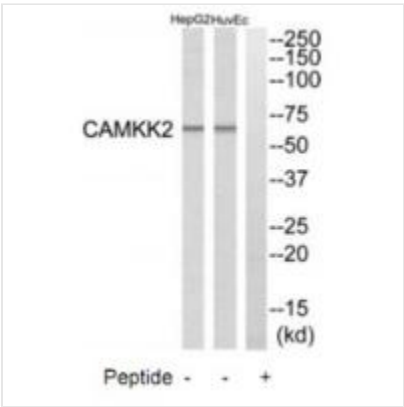
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total CAMKK2 protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	588
Applicable Applications for anti-CAMKK2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human CAMKK2.
Target Name	CAMKK2
Preparation and Storage	Store at -20 degree C

IMAGES



IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded human prostate carcinoma tissue, using CAMKK2 antibody.



WB (Western Blot)
Western blot analysis of extracts from HuvEc cells and HepG2 cells, using CAMKK2 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CAMKK2 antibody	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.Hsu L.-S., J. Biol. Chem. 276:31113-31123(2001).Anderson K.A., J. Biol. Chem. 273:31880-31889(1998).Ishikawa Y., FEBS Lett. 550:57-63(2003).
Product Categories/Family for anti-CAMKK2 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	394953961
NCBI GeneID	10645
NCBI Accession #	NP_001257414.1
NCBI GenBank Nucleotide #	NM_001270485.1
UniProt Accession #	Q96RR4; O94883; Q8IUG2; Q8IUG3; Q8N3I4; Q8WY03; Q8WY04; Q8WY05; Q8WY06; Q96RP1; Q96RP2; A8K7Q7
Molecular Weight	61,386 Da
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

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/camkk2-antibody-immunohistochemistry-western-blot-elisa/307385>