

Rabbit CaMKK Polyclonal Antibody | anti-CAMKK1 antibody

Anti-CaMKK antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45107	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

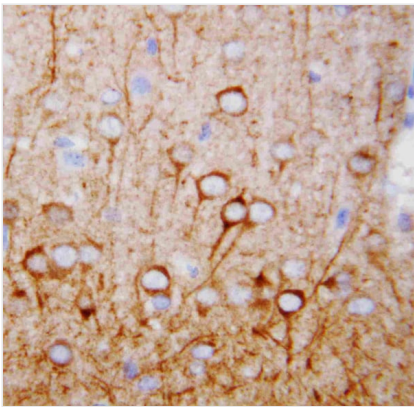
PRODUCT SYNONYMS

CaMKK; Polyclonal Antibody; Anti-CaMKK antibody; Calcium/calmodulin-dependent protein kinase kinase 1(CaM-KK 1/CaM-kinase kinase 1/CaMKK 1); calcium/calmodulin-dependent protein kinase kinase 1; alpha; Ca2+/calmodulin-dependent protein kinase kinase alpha antibody; Calcium/calmodulin dependent protein kinase kinase antibody; Calcium/calmodulin dependent protein kinase kinase 1 alpha antibody; Calcium/calmodulin dependent protein kinase kinase 1 antibody; Calcium/calmodulin dependent protein kinase kinase alpha antibody; Calcium/calmodulin-dependent protein kinase kinase 1 antibody; Calcium/calmodulin-dependent protein kinase kinase alpha antibody; CaM kinase kinase alpha antibody; CaM-kinase IV kinase antibody; CaM-kinase kinase 1 antibody; CaM-kinase kinase alpha antibody; CaM-KK 1 antibody; CaM-KK alpha antibody; CaMKK 1 antibody; CaMKK alpha antibody; CAMKK alpha protein antibody; CaMKK antibody; CAMKK1 antibody; CAMKKA antibody; DKFZp761M0423 antibody; KKCC1_HUMAN antibody; MGC34095 antibody; OTTMUSP00000006419 antibody; anti-CAMKK1 antibody

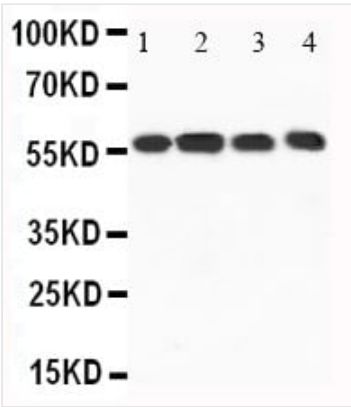
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	505
Applicable Applications for anti-CAMKK1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of mouse CaMKK (10-31aa QDPRAELVDRVAAINVAHLEEA), different from the related human sequence by three amino acids, and from the related rat sequence by two amino acids.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)
Anti-CaMKK antibody, AAA45107, IHC(P)IHC(P): Rat Brain Tissue



WB (Western Blot)
Anti-CaMKK antibody, AAA45107, Western blottingLane 1: Rat Brain Tissue LysateLane 2: Rat Brain Tissue LysateLane 3: Mouse Brain Tissue LysateLane 4: Mouse Brain Tissue Lysate

ADDITIONAL INFORMATION

Related Product Information for anti-CAMKK1 antibody	Description: Rabbit IgG polyclonal antibody for Calcium/calmodulin-dependent protein kinase kinase 1(CAMKK1) detection. Tested with WB, IHC-P in Human, Mouse, Rat. Background: CAMKK1, Calcium/calmodulin-dependent protein kinase kinase 1 is an enzyme that in humans is encoded by the CAMKK1 gene. The CAMKK1 gene is mapped to chromosome 17. The product of this gene 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. Three transcript variants encoding two distinct isoforms have been identified for this gene.Camkk1binds calmodulin and activated Camk4 with a 6-fold increase in total activity and a 100-fold increase in Camk4 Ca(2+)-independent activity. Camkk1 catalyzed a 10-fold increase in the total activity of Camk1 and had no effect on Camk2. Cotransfection of COS-7 cells with Camk1 and Camk4 resulted in a 14-fold increase in CRE-binding protein-dependent transcription compared with Camk4 alone, suggesting that Camkk1 enhances Camk4-mediated transcriptional regulation.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	56404639
NCBI GeneID	55984
UniProt Accession #	Q8VBY2; Q9R054
Molecular Weight	55,838 Da
NCBI Official Full Name	Calcium/calmodulin-dependent protein kinase kinase 1
NCBI Official Synonym Full Names	calcium/calmodulin-dependent protein kinase kinase 1, alpha
NCBI Official Symbol	Camkk1
NCBI Official Synonym Symbols	Camkk; AI846603; CaMKKalpha
NCBI Protein Information	calcium/calmodulin-dependent protein kinase kinase 1; caMKK 1; caM-KK 1; caMKK alpha; caM-KK alpha; caM-kinase kinase 1; caM-kinase IV kinase; caM-kinase kinase alpha; calcium calmodulin dependent protein kinase kinase alpha; calcium/calmodulin-dependent protein kinase kinase alpha
UniProt Protein Name	Calcium/calmodulin-dependent protein kinase kinase 1
UniProt Gene Name	Camkk1
UniProt Synonym Gene Names	Camkk; CaM-KK 1; CaM-kinase kinase 1; CaMKK 1; CaM-KK alpha; CaM-kinase kinase alpha; CaMKK alpha
UniProt Entry Name	KKCC1_MOUSE

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/polyclonal/camkk-antibody-immunohistochemistry-western-blot-elisa/45107>