

Rabbit CAMKK2 Polyclonal Antibody | anti-CAMKK2 antibody

Anti-CAMKK2 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45052	Rabbit	Human, Mouse, Rat. No cross reactivity with other proteins.	Immunohistochemistry, Western Blot

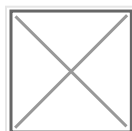
PRODUCT SYNONYMS

CAMKK2; Polyclonal Antibody; Anti-CAMKK2 antibody; Calcium/calmodulin-dependent protein kinase kinase 2(CaM-KK 2/CaM-kinase kinase 2/CaMKK 2); calcium/calmodulin-dependent protein kinase kinase 2; beta; Calcium/calmodulin dependent protein kinase beta antibody; Calcium/calmodulin dependent protein kinase kinase 2 antibody; Calcium/calmodulin dependent protein kinase kinase 2 beta antibody; Calcium/calmodulin dependent protein kinase kinase beta antibody; Calcium/calmodulin-dependent protein kinase kinase 2 antibody; Calcium/calmodulin-dependent protein kinase kinase beta antibody; CaM kinase kinase beta antibody; CaM KK beta antibody; CaM-kinase kinase 2 antibody; CaM-kinase kinase beta antibody; CaM-KK 2 antibody; CaM-KK beta antibody; CAMKK 2 antibody; CAMKK antibody; CaMKK beta antibody; CAMKK beta protein antibody; Camkk2 antibody; CAMKKB antibody; KKCC2_HUMAN antibody; anti-CAMKK2 antibody

PRODUCT SPECIFICATIONS

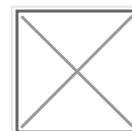
Host	Rabbit
Reactivity	Human, Mouse, Rat. No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Sequence Length	588
Applicable Applications for anti-CAMKK2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human CAMKK2 (180-194aa KLAYNENDNTYYAMK), identical to the related rat and mouse sequences.
Reconstitution	0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

Anti-CAMKK2 antibody, AAA45052, IHC(P)IHC(P): Rat Brain Tissue



WB (Western Blot)

Anti-CAMKK2 antibody, AAA45052, 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-CAMKK2 antibody	Description: Rabbit IgG polyclonal antibody for Calcium/calmodulin-dependent protein kinase kinase 2(CAMKK2) detection. Tested with WB, IHC-P, ICC in Human, Mouse, Rat. Background: CAMKK2, Calcium/calmodulin-dependent protein kinase kinase 2, is an enzyme that in humans is encoded by the CAMKK2 gene. The product of this gene belongs to the serine/threonine-specific protein kinase family, and to the Ca++/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. CaMKK2 regulates production of the appetite stimulating hormone neuropeptide Y and functions as an AMPK kinase in the hypothalamus. It also has an important role in the development of hyperalgesia and tolerance to opioid analgesic drugs, through reduction in downstream signalling pathways and mu opioid receptor downregulation. Inhibition of CaMKK2 in mice reduces appetite and promotes weight loss.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	317373374
NCBI GeneID	10645
UniProt Accession #	Q96RR4; O94883; Q8IUG2; Q8IUG3; Q8N3I4; Q8WY03; Q8WY04; Q8WY05; Q8WY06; Q96RP1; Q96RP2; A8K7Q7
NCBI Official Full Name	Calcium/calmodulin-dependent protein kinase kinase 2
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; caM-KK 2; caM-KK beta; CAMKK beta protein; caM-kinase kinase 2; caM-kinase kinase beta; calcium/calmodulin-dependent protein kinase beta
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.