

Rabbit CAMKK2 Polyclonal Antibody | anti-CAMKK2 antibody

CAMKK2 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA23549	Rabbit	Cow, Dog, Guinea Pig, Human, Mouse, Pig, Rabbit, Rat, Zebrafish	Western Blot

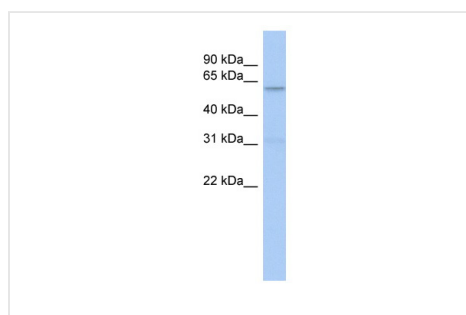
PRODUCT SYNONYMS

CAMKK2; Polyclonal Antibody; CAMKK2 antibody - N-terminal region; anti-CAMKK2 antibody

PRODUCT SPECIFICATIONS

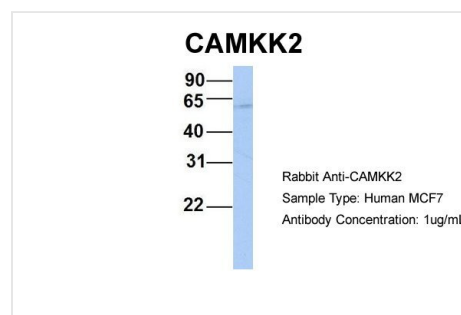
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Human, Mouse, Pig, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: GG LAAGGSLDMN GRCICPSLPY SPVSSPQSSP RLPRRPPTVES HHVSITGM
Sequence Length	498
Applicable Applications for anti-CAMKK2 antibody	WB (Western Blot)
Homology	Cow: 93%; Dog: 93%; Guinea Pig: 86%; Human: 100%; Mouse: 86%; Pig: 93%; Rabbit: 93%; Rat: 86%; Zebrafish: 79%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human CAMKK2
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



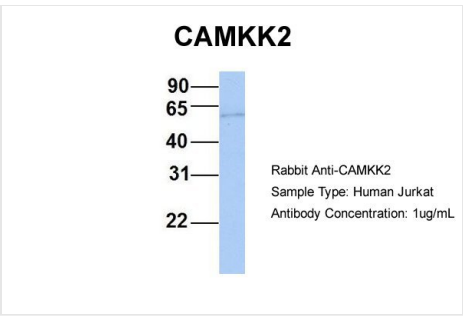
WB (Western Blot)

WB Suggested Anti-CAMKK2 Antibody Titration: 0.2-1 ug/mL
 ELISA Titer: 1:62500
 Positive Control: 721_B cell lysate
 There is BioGPS gene expression data showing that CAMKK2 is expressed in 721_B



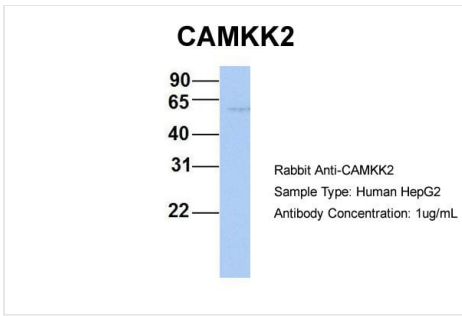
WB (Western Blot)

Host: Rabbit
 Target Name: CAMKK2
 Sample Type: Human MCF7
 Antibody Dilution: 1.0ug/mL
 CAMKK2 is supported by BioGPS gene expression data to be expressed in MCF7



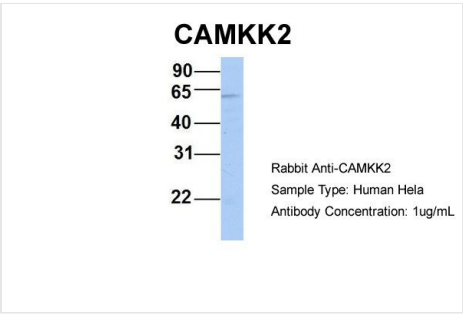
WB (Western Blot)

Host: RabbitTarget Name: CAMKK2Sample Type: Human JurkatAntibody Dilution: 1.0ug/mlCAMKK2 is supported by BioGPS gene expression data to be expressed in Jurkat



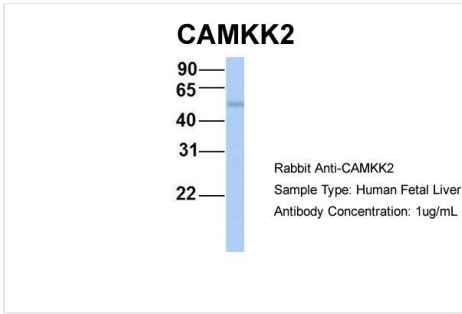
WB (Western Blot)

Host: RabbitTarget Name: CAMKK2Sample Type: Human HepG2Antibody Dilution: 1.0ug/mlThere is BioGPS gene expression data showing that CAMKK2 is expressed in HepG2



WB (Western Blot)

Host: RabbitTarget Name: CAMKK2Sample Type: Human HeLaAntibody Dilution: 1.0ug/mlThere is BioGPS gene expression data showing that CAMKK2 is expressed in HeLa



WB (Western Blot)

Host: RabbitTarget Name: CAMKK2Sample Type: Human Fetal LiverAntibody Dilution: 1.0ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-CAMKK2 antibody	This is a rabbit polyclonal antibody against CAMKK2. It was validated on Western Blot using a cell lysate as a positive control. Target Description: CAMKK2 is a 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. CAMKK2 seems to be involved in hippocampal activation of CREB1.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 by phosphorylating the downstream kinases CaMK1 and CaMK4. Seven transcript variants encoding six distinct isoforms have been identified for this gene. Additional splice variants have been described but their full-length nature has not been determined. The identified isoforms exhibit a distinct ability to undergo autophosphorylation and to phosphorylate the downstream kinases.
Product Categories/Family for anti-CAMKK2 antibody	Polyclonal; Lymphocyte Signaling; DNA/RNA/Protein Interactions; Phosphorylation; Transcription Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	27437019
NCBI GeneID	10645
NCBI Accession #	NP_705720
NCBI GenBank Nucleotide #	NM_153500
UniProt Accession #	Q96RR4
Molecular Weight	55kDa
NCBI Official Full Name	calcium/calmodulin-dependent protein kinase kinase 2 isoform 4

NCBI Official Synonym Full Names	calcium/calmodulin dependent protein kinase kinase 2
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/camkk2-antibody-western-blot-elisa/23549>