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Datasheet for ABIN6137894
anti-CAMKK2 antibody (AA 1-140)

1 Image

Overview

Quantity:	100 µL
Target:	CAMKK2
Binding Specificity:	AA 1-140
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CAMKK2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-140 of human CAMKK2 (NP_757380.1).
Sequence:	MSSCVSSQPS SNRAAPQDEL GGRGSSSSSES QKPCEALRGL SLSIHLGME SFIVVTECEP GCAVDLGLAR DRPLEADGQE VPLDTSGSQA RPHLSGRKLS LQERSQGGLA AGGSLDMNGR CICPSLPYSP VSSPQSSPRL
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

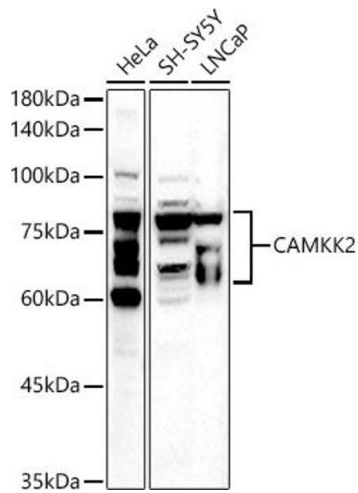
Target:	CAMKK2
Alternative Name:	CAMKK2 (CAMKK2 Products)
Background:	<p>The product of this gene belongs to the Serine/Threonine protein kinase family, and to the Ca(2+)/calmodulin-dependent protein kinase subfamily. The major isoform of this gene plays a role in the calcium/calmodulin-dependent (CaM) kinase cascade by phosphorylating the downstream kinases CaMK1 and CaMK4. Protein products of this gene also phosphorylate AMP-activated protein kinase (AMPK). This gene has its strongest expression in the brain and influences signalling cascades involved with learning and memory, neuronal differentiation and migration, neurite outgrowth, and synapse formation. Alternative splicing results in multiple transcript variants encoding distinct isoforms. The identified isoforms differ in their ability to undergo autophosphorylation and to phosphorylate downstream</p> <p>kinases.,CAMKK2,CAMKK,CAMKKB,Cancer,Signal Transduction,Kinase,Serine/threonine kinases,Cell Biology & Developmental Biology,Autophagy,Endocrine & Metabolism,AMPK Signaling Pathway,Neuroscience,Calcium Signaling,CAMKK2</p>
Molecular Weight:	54 kDa/58 kDa/59 kDa/61 kDa/64 kDa
Gene ID:	10645
UniProt:	Q96RR4
Pathways:	AMPK Signaling

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using C antibody (ABIN6130036, ABIN6137894, ABIN6137895 and ABIN6225248) at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.