CAMKK2 Antibody

Catalog No: #43469

Package Size: #43469-1 50ul #43469-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

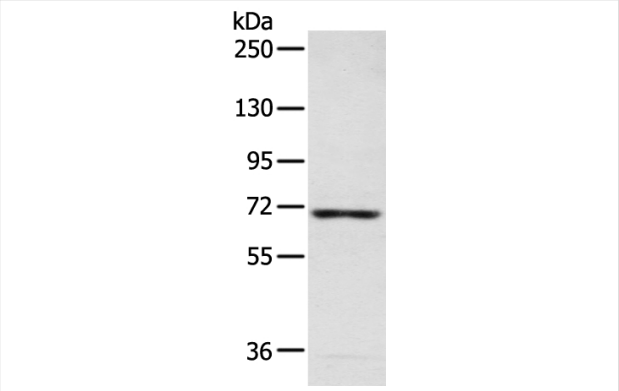
Description

Product Name	CAMKK2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB
Species Reactivity	Human;Mouse
Specificity	The antibody detects endogenous levels of total CAMKK2 protein.
Immunogen Type	peptide
Immunogen Description	Synthetic peptide of human CAMKK2
Conjugates	Unconjugated
Target Name	CAMKK2
Other Names	CAMKK; CAMKKB
Accession No.	Swiss-Prot#: Q96RR4Gene ID: 10645
Calculated MW	65kd
Concentration	2.2mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:200-1:1000

Images



Gel: 6%SDS-PAGE
Lysate: 40 µg
Lane: Mouse brain tissue
Primary antibody: 1/200 dilution
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 1 minute

Background

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.

Published Papers

el at., Artemisinin conferred cytoprotection to human retinal pigment epithelial cells exposed to amiodarone-induced oxidative insult by activating the CaMKK2/AMPK/Nrf2. In J Transl Med on 2024 Sep 16 by Chao Yang, Xia Zhao,et al..PMID:39285426, , (2024)

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Chao Yang;Wenjun Xiong;Jiayi Dong;Xia Zhao;Guang Liang;Wenhua Zheng el at., Artemisinin protected human bronchial epithelial cells from amiodarone-induced oxidative damage via 5'-AMP-activated protein kinase (AMPK) activation., , (2025)

PMID:39803706

Note: This product is for in vitro research use only and is not intended for use in humans or animals.