

## CaMKK2 (phospho-Ser511) rabbit pAb

Catalog No: #14021

Package Size: #14021-1 50ul #14021-2 100ul

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## Description

|                       |                                                                                                                                                                                                                              |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | CaMKK2 (phospho-Ser511) rabbit pAb                                                                                                                                                                                           |
| Host Species          | Rabbit                                                                                                                                                                                                                       |
| Clonality             | Polyclonal                                                                                                                                                                                                                   |
| Purification          | The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.                                                                                                                    |
| Applications          | WB                                                                                                                                                                                                                           |
| Species Reactivity    | Human,Mouse,Rat                                                                                                                                                                                                              |
| Specificity           | This antibody detects endogenous levels of Human Mouse Rat CaMKK2 (phospho-Ser511)                                                                                                                                           |
| Immunogen Description | Synthesized phosho peptide around human CaMKK2 (Ser511)                                                                                                                                                                      |
| Conjugates            | Unconjugated                                                                                                                                                                                                                 |
| Other Names           | Calcium/calmodulin-dependent protein kinase kinase 2 (CaM-KK 2) (CaM-kinase kinase 2) (CaMKK 2) (EC 2.7.11.17) (Calcium/calmodulin-dependent protein kinase kinase beta) (CaM-KK beta) (CaM-kinase kinase beta) (CaMKK beta) |
| Accession No.         | Swiss Prot:Q96RR4GeneID:10645                                                                                                                                                                                                |
| SDS-PAGE MW           | 65                                                                                                                                                                                                                           |
| Concentration         | 1 mg/ml                                                                                                                                                                                                                      |
| Formulation           | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                      |
| Storage               | -20°C/1                                                                                                                                                                                                                      |

## Application Details

WB 1:1000-2000

## Background

calcium/calmodulin dependent protein kinase kinase 2(CAMKK2) Homo sapiens 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 kinases. [provided by RefSeq, Jul 2012],

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