

CAMKK2 Conjugated Antibody

Catalog No: #C35298



Package Size: #C35298-AF350 100ul #C35298-AF405 100ul #C35298-AF488 100ul
 #C35298-AF555 100ul #C35298-AF594 100ul #C35298-AF647 100ul
 #C35298-AF680 100ul #C35298-AF750 100ul #C35298-Biotin 100ul

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Description

Product Name	CAMKK2 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total CAMKK2 protein.
Immunogen Description	Synthesized peptide derived from internal of human CAMKK2.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Calcium/calmodulin-dependent protein kinase kinase 2;CaM-KK 2;CaM-kinase kinase 2;CaMKK 2;Calcium/calmodulin-dependent protein kinase kinase beta
Accession No.	Swiss-Prot#:Q96RR4NCBI Gene ID:10645
Uniprot	Q96RR4
GeneID	10645;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	65
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250
 AF405 conjugated: most applications: 1: 50 - 1: 250
 AF488 conjugated: most applications: 1: 50 - 1: 250
 AF555 conjugated: most applications: 1: 50 - 1: 250
 AF594 conjugated: most applications: 1: 50 - 1: 250
 AF647 conjugated: most applications: 1: 50 - 1: 250
 AF680 conjugated: most applications: 1: 50 - 1: 250
 AF750 conjugated: most applications: 1: 50 - 1: 250

Product Description

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Background

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. Efficiently phosphorylates 5'-AMP-activated protein kinase (AMPK) trimer, including that consisting of PRKAA1, PRKAB1 and PRKAG1. This phosphorylation is stimulated in response to Ca²⁺ signals By similarity. Seems to be involved in hippocampal activation of CREB1 By similarity. May play a role in neurite growth. Isoform 3 may promote neurite elongation, while isoform 1 may promoter neurite branching.

Note: This product is for in vitro research use only