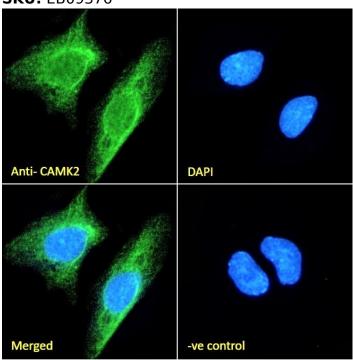


Email: customerservice@vectorlabs.com

Telephone: (650) 697-3600

GOAT ANTI-CAMK2 ANTIBODY

SKU: EB09376



SPECIFICATIONS

Formulation Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Unit Size 100 μg

Storage

Instructions Aliquot and store at -20°C. Minimize freezing and thawing.

calcium/calmodulin-dependent protein kinase type II alpha chain|calcium/calmodulin-dependent protein kinase

IIA|calcium/calmodulin-dependent protein kinase II alpha-B

Synonym /

Alias subunit|OTTHUMP00000165788|OTTHUMP00000165787|CaMK-II alpha subunit|CaM-kinase II alpha chain|CaM

Names kinase II alpha subunit|KIAA0968|CAMKA|calcium/calmodulin-dependent protein kinase (CaM kinase) II

alpha|CAMK2A

Immunofluorescence: Strong expression of the protein seen in the cytoplasm of Neuro2a cells. Usage

Recommended concentration: 10µg/ml. Flow Cytometry: Flow cytometric analysis of Summary

Neuro2a cells. Recommended concentration: 10ug/ml.

Accession

NP 057065.2; NP 001280099.1 ID





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Blocking Peptide

EBP09376

Peptide with sequence C-PRTAQSEETRVWHR, from the internal region of the protein sequence according to Immunogen NP_057065.2; NP_001280099.1.

Product This antibody is expected to recognize both reported isoforms (NP 057065.2 (CAMK2A) and NP 001280099.1

Comments (CAMK2B).

Peptide

C-PRTAQSEETRVWHR

Sequence

Purification Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using Method the immunizing peptide.

Shipping Instructions Refrigerated

Predicted

Species

Human, Mouse, Rat

Reactive

Human, Mouse, Rat Species

Human

815, 816 Gene ID

Mouse

12322 Gene ID

Rat Gene ID 25400

Product

Grade

https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_plus_medium.png

ELISA

Detection Antibody detection limit dilution 1:128000.

Limit

Western

Blot

Approx 48-50+60kDa bands observed in Human Cerebral Cortex and Mouse and Rat Brain lysates, corresponding to CAMK2alpha and CAMK2beta respectively and approx. 60kDa in Human Cerebellum lysates (calculated MW of 55.3kDa according to Human NP_057065.2 and 54.1kDa according to Mouse NP_001390241.1 and Rat NP_037052.1 subunit Alpha and 60.4kDa according to Human NP_001280099.1, Mouse NP_031621.3 and Rat NP_068507.2

subunit beta). These molecular weights are routinely observed by other sources, and were successfully blocked by incubation with the immunizing peptide. Recommended concentration 0.1-1ug/ul. Primary incubation 1 hour at

room temperature.

Application

Type

Pep-ELISA, WB, IF, FC

GALLERY IMAGES





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