

Rat Calcium/Calmodulin Dependent Protein Kinase II Alpha (CAMK2a) RTU ELISA Kit | CAMK2a rtu elisa kit

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CATALOG # AAA69511	REACTIVITY Rat
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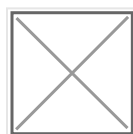
PRODUCT SYNONYMS

Calcium/Calmodulin Dependent Protein Kinase II Alpha (CAMK2a); Rat Calcium/Calmodulin Dependent Protein Kinase II Alpha (CAMK2a) ELISA Kit; CAMKA; CAMK2a rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	478
Assay Type	Sandwich
Samples	Tissue Homogenates, Cell Lysates or Other Biological Fluids.
Detection Range	0.156-10ng/mL
Sensitivity	0.054ng/mL
RTU ELISA Kit's Advantage	The Ready-To-Use (RTU) Kits require fewer steps in setup and take less time to run. Detection Solutions are pre-diluted and total incubation time is shorter than many other ELISA Kits.
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CAMK2a rtu elisa kit	Test Principle: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CAMK2a. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CAMK2a. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain CAMK2a, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm $\pm$ 10nm. The concentration of CAMK2a in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6978593
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NCBI GeneID	25400
NCBI Accession #	NP_037052.1
NCBI GenBank Nucleotide #	NM_012920.1
UniProt Accession #	P11275
Molecular Weight	54,115 Da
NCBI Official Full Name	calcium/calmodulin-dependent protein kinase type II subunit alpha
NCBI Official Synonym Full Names	calcium/calmodulin-dependent protein kinase II alpha
NCBI Official Symbol	Camk2a
NCBI Official Synonym Symbols	PKCCD; PK2CDD
NCBI Protein Information	calcium/calmodulin-dependent protein kinase type II subunit alpha
UniProt Protein Name	Calcium/calmodulin-dependent protein kinase type II subunit alpha
UniProt Gene Name	Camk2a
UniProt Synonym Gene Names	CaM kinase II subunit alpha; CaMK-II subunit alpha

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/rat-rtu-elisa-kits/calcium-calmodulin-dependent-protein-kinase-ii-alpha-camk2a/69511>