

Rat Calcium/Calmodulin Dependent Protein Kinase II Gamma (CAMK2g) RTU ELISA Kit | CAMK2g rtu elisa kit

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CATALOG #
AAA69513

REACTIVITY
Rat

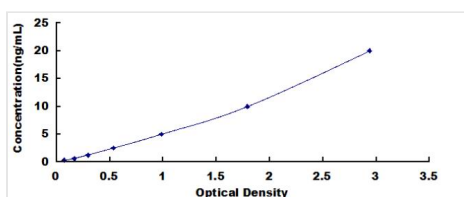
PRODUCT SYNONYMS

Calcium/Calmodulin Dependent Protein Kinase II Gamma (CAMK2g); Rat Calcium/Calmodulin Dependent Protein Kinase II Gamma (CAMK2g) ELISA Kit; CAMKII; CAMK2G; CAMK; CAMK-II; CAMKG; CaM Kinase; CaM kinase II subunit gamma; CaMK-II subunit gamma; CAMK2g rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	527
Assay Type	Sandwich
Samples	Tissue Homogenates, Cell Lysates or Other Biological Fluids.
Detection Range	0.312-20ng/mL
Sensitivity	0.123ng/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 CAMK2g rtu elisa kit

Test Principle: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CAMK2g. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CAMK2g. 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 CAMK2g, 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 CAMK2g in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	19424316
NCBI GeneID	171140
NCBI Accession #	NP_598289.1
NCBI GenBank Nucleotide #	NM_133605.1
UniProt Accession #	P11730; Q64003; Q64004
Molecular Weight	55,961 Da
NCBI Official Full Name	calcium/calmodulin-dependent protein kinase type II subunit gamma
NCBI Official Synonym Full Names	calcium/calmodulin-dependent protein kinase II gamma
NCBI Official Symbol	Camk2g
NCBI Protein Information	calcium/calmodulin-dependent protein kinase type II subunit gamma
UniProt Protein Name	Calcium/calmodulin-dependent protein kinase type II subunit gamma
UniProt Gene Name	Camk2g
UniProt Synonym Gene Names	CaM kinase II subunit gamma; CaMK-II subunit gamma

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-gamma-camk2g/69513>