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

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CATALOG #	REACTIVITY
AAA140000	**Rat**

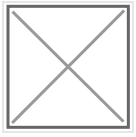
PRODUCT SYNONYMS

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 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Calcium/Calmodulin Dependent Protein Kinase II Gamma (CAMK2g). No significant cross-reactivity or interference between Calcium/Calmodulin Dependent Protein Kinase II Gamma (CAMK2g) and analogues was observed.
Sequence Length	495
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.113ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Calcium/Calmodulin Dependent Protein Kinase II Gamma (CAMK2g) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Calcium/Calmodulin Dependent Protein Kinase II Gamma (CAMK2g) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CAMK2g elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Calcium/Calmodulin Dependent Protein Kinase II Gamma (CAMK2g). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Calcium/Calmodulin Dependent Protein Kinase II Gamma (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 Calcium/Calmodulin Dependent Protein Kinase II Gamma (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 ± 10nm. The concentration of Calcium/Calmodulin Dependent Protein Kinase II Gamma (CAMK2g) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for CAMK2g elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	21039158
Molecular Weight	55,961 Da
NCBI Official Full Name	calcium/calmodulin-dependent protein kinase II gamma, partial
UniProt Protein Name	Calcium/calmodulin-dependent protein kinase type II subunit gamma
UniProt Gene Name	**CAMK2G**
UniProt Synonym Gene Names	CAMK; CAMK-II; CAMKG; CaM kinase II subunit gamma; CaMK-II subunit gamma
UniProt Entry Name	KCC2G_HUMAN

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-elisa-kits/calcium-calmodulin-dependent-protein-kinase-ii-gamma-camk2g/140000