Rat GRIK2 ELISA Kit | GRIK2 elisa kit

Rat GRIK2 (Glutamate Receptor, Ionotropic, Kainate 2) ELISA Kit

CATALOG #	REACTIVITY
AAA164872	**Rat**

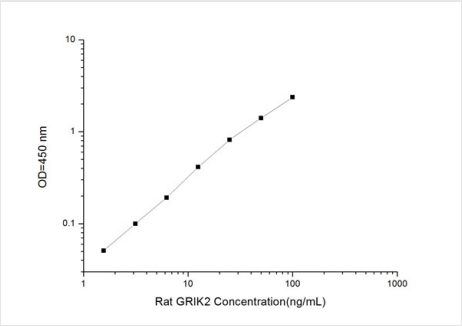
PRODUCT SYNONYMS

GRIK2; Rat GRIK2 (Glutamate Receptor; Ionotropic; Kainate 2) ELISA Kit; GRIK2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This kit recognizes natural and recombinant Rat GRIK2. No significant cross-reactivity or interference between Rat GRIK2 and analogues was observed.
Sequence Length	869
Samples	Serum, Plasma, Biological Fluids
Assay Type	Sandwich
Detection Range	1.563-100ng/mL
Sensitivity	Min: 0.938ng/mL; Max: 100ng/mL
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GRIK2 elisa kit	Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Rat GRIK2 concentrations in serum, plasma and other biological fluids. Principle of the Assay: This ELISA kit uses Sandwich-ELISA as the method. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to GRIK2. Standards or samples are added to the appropriate micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for GRIK2 and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain GRIK2, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of GRIK2. You can calculate the concentration of GRIK2 in the samples by comparing the OD of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	28559003
NCBI GeneID	2898
NCBI Accession #	NP_786944.1
NCBI GenBank Nucleotide #	NM_175768.3
UniProt Accession #	Q13002; Q8WWS1; Q96KS6; Q96KS7; Q96KS8; A6NMY9; B5MCV0; D7RWZ3; D7RWZ4; D7RWZ5; D7RWZ6; D7RWZ7
Molecular Weight	77,112 Da
NCBI Official Full Name	glutamate receptor ionotropic, kainate 2 isoform 2
NCBI Official Synonym Full Names	glutamate receptor, ionotropic, kainate 2
NCBI Official Symbol	GRIK2
NCBI Official Synonym Symbols	EAA4; GLR6; MRT6; GLUK6; GLUR6; GluK2
NCBI Protein Information	glutamate receptor ionotropic, kainate 2; bA487F5.1; excitatory amino acid receptor 4; gluR-6; glutamate receptor 6; glutamate receptor form A; glutamate receptor form B; glutamate receptor form C; glutamate receptor form D; glutamate receptor form E
UniProt Protein Name	Glutamate receptor ionotropic, kainate 2
UniProt Gene Name	**GRIK2**
UniProt Synonym Gene Names	GLUR6; GluK2; EAA4; GluR-6; GluR6
UniProt Entry Name	GRIK2_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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