

Rat Prokineticin Receptor 1 (PKR1) ELISA Kit | PKR1 elisa kit

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CATALOG #
AAA65343

REACTIVITY
Rat

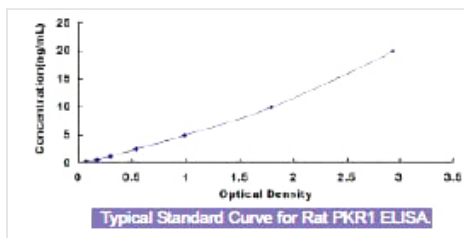
PRODUCT SYNONYMS

Prokineticin Receptor 1 (PKR1); Rat Prokineticin Receptor 1 (PKR1) ELISA Kit; PROKR1; PKR-1; GPR73; GPR-73a; ZAQ; PK-R1; G Protein-Coupled Receptor 73; G-protein coupled receptor ZAQ; PKR1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of PKR1. No significant cross-reactivity or interference between PKR1 and analogues was observed.
Sequence Length	393
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.039ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PKR1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PKR1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PKR1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PKR1 in rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PKR1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PKR1. 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 PKR1, 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 PKR1 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 #	20376822
NCBI GeneID	192648
NCBI Accession #	NP_620433.1
NCBI GenBank Nucleotide #	NM_138977.1
UniProt Accession #	Q8R416; Q4AEG4
Molecular Weight	44,507 Da
NCBI Official Full Name	prokineticin receptor 1
NCBI Official Synonym Full Names	prokineticin receptor 1
NCBI Official Symbol	Prokr1
NCBI Official Synonym Symbols	Gpr73
NCBI Protein Information	prokineticin receptor 1
UniProt Protein Name	Prokineticin receptor 1
UniProt Gene Name	Prokr1
UniProt Synonym Gene Names	Gpr73; Pkr1; PK-R1

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/prokineticin-receptor-1-pkr1/65343>