

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

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CATALOG #
AAA67222

REACTIVITY
Human

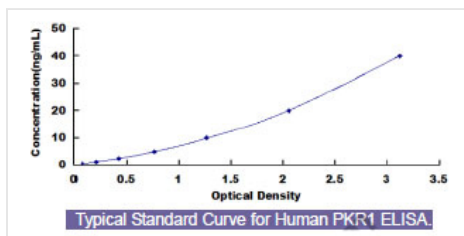
PRODUCT SYNONYMS

Prokineticin Receptor 1 (PKR1); Human 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	Human
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	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.625-40ng/mL
Sensitivity	0.228ng/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 human tissue homogenates 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 #	20373179
NCBI GeneID	10887
NCBI Accession #	NP_620414.1
NCBI GenBank Nucleotide #	NM_138964.3
UniProt Accession #	Q8TCW9; Q53QT9; Q8NFI7; A5JUU2
Molecular Weight	44,770 Da
NCBI Official Full Name	prokineticin receptor 1
NCBI Official Synonym Full Names	prokineticin receptor 1
NCBI Official Symbol	PROKR1
NCBI Official Synonym Symbols	ZAQ; PKR1; GPR73; PK-R1; GPR73a
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.