

Rat Protein Kinase, X-Linked (PRKX) ELISA Kit | PRKX elisa kit

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CATALOG #
AAA136794

REACTIVITY
Rat

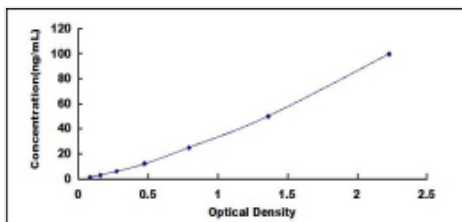
PRODUCT SYNONYMS

Protein Kinase; X-Linked (PRKX); Rat Protein Kinase; X-Linked (PRKX) ELISA Kit; PKX1; cAMP-dependent protein kinase catalytic subunit PRKX; PRKX elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Protein Kinase, X-Linked (PRKX). No significant cross-reactivity or interference between Protein Kinase, X-Linked (PRKX) and analogues was observed.
Sequence Length	358
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	1.56-100ng/mL
Sensitivity	0.60ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Protein Kinase, X-Linked (PRKX) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Protein Kinase, X-Linked (PRKX) 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 PRKX 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 Protein Kinase, X-Linked (PRKX). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Protein Kinase, X-Linked (PRKX). 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 Protein Kinase, X-Linked (PRKX), 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 Protein Kinase, X-Linked (PRKX) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for PRKX elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	26996827
NCBI GeneID	5613
UniProt Accession #	P51817
Molecular Weight	40,896 Da
NCBI Official Full Name	Protein kinase, X-linked
NCBI Official Synonym Full Names	protein kinase, X-linked
NCBI Official Symbol	PRKX
NCBI Official Synonym Symbols	PKX1
NCBI Protein Information	cAMP-dependent protein kinase catalytic subunit PRKX
UniProt Protein Name	cAMP-dependent protein kinase catalytic subunit PRKX
UniProt Gene Name	PRKX
UniProt Synonym Gene Names	PKX1; PrKX; Protein kinase X; Protein kinase X-linked; Serine/threonine-protein kinase PRKX
UniProt Entry Name	PRKX_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.