

Mouse Phosphoinositide Dependent Protein Kinase 1 (PDPK1) ELISA Kit | PDPK1 elisa kit

Mouse Phosphoinositide Dependent Protein Kinase 1 (PDPK1) ELISA Kit

CATALOG #
AAA64582

REACTIVITY
Mouse

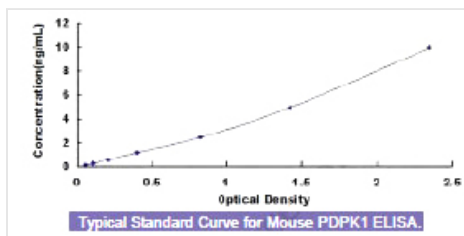
PRODUCT SYNONYMS

Phosphoinositide Dependent Protein Kinase 1 (PDPK1); Mouse Phosphoinositide Dependent Protein Kinase 1 (PDPK1) ELISA Kit; PDK1; PkB-Like 1; PDPK1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of PDPK1. No significant cross-reactivity or interference between PDPK1 and analogues was observed.
Sequence Length	559
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.055ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PDPK1 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 PDPK1 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 PDPK1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PDPK1 in mouse tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PDPK1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PDPK1. 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 PDPK1, 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 PDPK1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	124107594
NCBI GeneID	18607
NCBI Accession #	NP_035192.2
NCBI GenBank Nucleotide #	NM_011062.4
UniProt Accession #	Q9Z2A0; Q9R1D8; Q9R215; A6H6U3
Molecular Weight	63,759 Da
NCBI Official Full Name	3-phosphoinositide-dependent protein kinase 1 isoform A
NCBI Official Synonym Full Names	3-phosphoinositide dependent protein kinase 1
NCBI Official Symbol	Pdpk1
NCBI Official Synonym Symbols	Pdk1
NCBI Protein Information	3-phosphoinositide-dependent protein kinase 1
UniProt Protein Name	3-phosphoinositide-dependent protein kinase 1
UniProt Gene Name	Pdpk1
UniProt Synonym Gene Names	Pdk1; mPDK1

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.