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Datasheet for ABIN4886246

PDPK1 ELISA Kit

Components:

Overview Quantity: 96 tests Target: PDPK1 Binding Specificity: pSer241, total Reactivity: Mouse, Human, Rat Method Type: Sandwich ELISA Application: ELISA Product Details

Human, Mouse and Rat Phospho-PDK1 (Ser241) and Total PDK1 ELISA Kit. This assay semi-Purpose: quantitatively measures phophorylated PDK1 (Ser241) and Total PDK1 in lysate samples. Sample Type: Cell Lysate, Tissue Lysate Analytical Method: Semi-Quantitative **Detection Method:** Colorimetric This ELISA kit recognizes Human, Mouse and Rat PDK1 phosphorylated at site Serine-241 as Specificity: well as total PDK1. Characteristics: · Simultaneously measure Phosphorylated protein and pan protein in one experiment (for normalization purpose) · Screen numerous different cell lysates without performing a Western Blot analysis Minimal hands-on time, convenient, and non-radioactive material

· Pre-Coated 96-well Strip Microplate

· Wash Buffer

Product Details

- · Anti-Phospho Antibody
- · Anti-Pan Antibody
- HRP-Conjugated Secondary Antibody
- · Streptavidin-Conjugated HRP
- · Assay Diluent
- · TMB One-Step Substrate
- · Stop Solution
- · Lysis Buffer
- · Positive Control Sample

Material not included:

- · Distilled or deionized water
- · 100 mL and 1 liter graduated cylinders
- Tubes to prepare sample dilutions
- · Protease and Phosphatase inhibitors
- Precision pipettes to deliver 2 μL to 1 mL volumes
- Adjustable 1-25 mL pipettes for reagent preparation
- · Benchtop rocker or shaker
- · Microplate reader capable of measuring absorbance at 450 nm

Target Details

Target:	PDPK1
Alternative Name:	PDK1 (PDPK1 Products)
Gene ID:	5170
UniProt:	O15530, Q9Z2A0, O55173
Pathways:	PI3K-Akt Signaling, TCR Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling
	Pathway, Neurotrophin Signaling Pathway, Regulation of Leukocyte Mediated Immunity,
	Positive Regulation of Immune Effector Process, Cell-Cell Junction Organization, Regulation of
	Cell Size, Skeletal Muscle Fiber Development, CXCR4-mediated Signaling Events, Signaling
	Events mediated by VEGFR1 and VEGFR2, VEGFR1 Specific Signals

Application Details

Sample Volume:	100 μL
Plate:	Pre-coated
Protocol:	 Prepare all reagents and samples as instructed in the manual. Add 100 μL of sample or positive control to each well. Incubate 2.5 h at RT or O/N at 4 °C.

Application Details

Expiry Date:

4. Add 100 µL of prepared primary antibody to each well. 5. Incubate 1 h at RT. 6. Add 100 µL of prepared 1X HRP-Streptavidin to each well. 7. Incubate 1 h at RT. 8. Add 100 µL of TMB One-Step Substrate Reagent to each well. 9. Incubate 30 min at RT. 10. Add 50 µL of Stop Solution to each well. 11. Read at 450 nm immediately. Restrictions: For Research Use only Handling -20 °C Storage: Storage Comment: Upon receipt, the kit should be stored at -20 °C. Please use within 6 months from the date of shipment. After initial use, Wash Buffer Concentrate (Item B), Assay Diluent (Item E), TMB One-Step Substrate Reagent (Item H), HRP-Streptavidin (Item G), Stop Solution (Item I) and Cell Lysate Buffer (Item J) should be stored at 4 °C to avoid repeated freeze-thaw cycles. Return unused wells to the pouch containing desiccant pack, reseal along entire edge and store at -20 °C. Reconstituted Positive Control (Item K) should be stored at -70 °C.

6 months