.-online.com antibodies

Datasheet for ABIN2748573 PTK2B ELISA Kit



Overview

Quantity:	96 tests
Target:	PTK2B
Binding Specificity:	pTyr402, total
Reactivity:	Human
Method Type:	Sandwich ELISA
Application:	ELISA

Product Details

Purpose:	Human Phospho-PYK2 (Y402) and Total PYK2 ELISA Kit. This assay semi-quantitatively measures phophorylated PYK2 (Tyr402) and Total PYK2 in lysate samples.
Sample Type:	Cell Lysate, Tissue Lysate
Analytical Method:	Semi-Quantitative
Detection Method:	Colorimetric
Specificity:	The antibody pair provided in this kit recognizes PYK2 phosphorylated at Tyrosine-402 as well as total PYK2.
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
Components:	Pre-Coated 96-well Strip MicroplateWash Buffer

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN2748573 | 09/11/2023 | Copyright antibodies-online. All rights reserved.

	 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:	PTK2B
Alternative Name:	PYK2 (PTK2B Products)
Background:	Protein tyrosine kinase 2 beta, PTK2B, CADTK, CAKB, FADK2, FAK2, PKB, PTK, PYK2, RAFTK
Gene ID:	2185
UniProt:	Q14289
Pathways:	EGFR Signaling Pathway, Regulation of Actin Filament Polymerization, Carbohydrate Homeostasis, Glycosaminoglycan Metabolic Process, Cellular Glucan Metabolic Process, Cell- Cell Junction Organization, Regulation of Cell Size, Regulation of Carbohydrate Metabolic Process, Hepatitis C, Protein targeting to Nucleus, CXCR4-mediated Signaling Events, Signaling Events mediated by VEGFR1 and VEGFR2, Signaling of Hepatocyte Growth Factor Receptor, Positive Regulation of fat Cell Differentiation, VEGF Signaling

Application Details

Sample Volume:	100 µL
Plate:	Pre-coated

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/3 | Product datasheet for ABIN2748573 | 09/11/2023 | Copyright antibodies-online. All rights reserved.

Application Details

Protocol:	1. Prepare all reagents and samples as instructed in the manual.
	2. Add 100 μ L of sample or positive control to each well.
	3. Incubate 2.5 h at RT or O/N at 4 °C.
	4. Add 100 μ L of prepared primary antibody to each well.
	5. Incubate 1 h at RT.
	6. Add 100 μ L of prepared 1X HRP-Streptavidin to each well.
	7. Incubate 1 h at RT.
	8. Add 100 μ L 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.
Assay Procedure:	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.Add 100 μL of prepared primary
	antibody to each well.Incubate 1 h at RT.Add 100 μ L of prepared 1X HRP-Streptavidin to each
	well.Incubate 1 h at RT.Add 100 µL of TMB One-Step Substrate Reagent to each well.Incubate
	30 min at RT.Add 50 μL of Stop Solution to each well.Read at 450 nm immediately.
Restrictions:	For Research Use only
Handling	
Storage:	-20 °C
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.
Expiry Date:	6 months