

Anti-PDPK1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

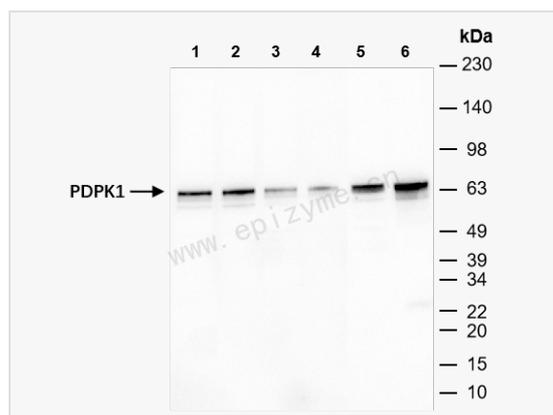
Catalog # R013172

Product Information

Application	ELISA, WB
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	36K73K16
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human PDPK1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-PDPK1 Rabbit mAb [36K73K16] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	3 phosphoinositide dependent protein kinase 1, 3-phosphoinositide-dependent protein kinase 1, hPDK 1, hPDK1, MGC20087, MGC35290, OTTHUMP00000159109, OTTHUMP00000159110, OTTHUMP00000174525, PDK1, Pdk1, PDPK1_HUMAN, PDPK2, PDPK2P, PkB kinase, PkB kinase like gene 1, PkB like 1, PRO0461, Protein kinase.
Calculated MW	Calculated MW: 63 kDa; Observed MW: 63 kDa
Uniprot ID	O15530
Gene ID	5170
Background	Phosphoinositide-dependent protein kinase 1 (PDK1) plays a central role in many signal transduction pathways including the activation of Akt and the PKC isoenzymes p70 S6 kinase and RSK. Through its effects on these kinases, PDK1 is involved in the regulation of a wide variety of processes, including cell proliferation, differentiation and apoptosis.
Cellular Location	Cytoplasm. Membrane. Membrane-associated after cell stimulation leading to its translocation. Tyrosine phosphorylation seems to occur only at the plasma membrane.
Tissue Location	Appears to be expressed ubiquitously.



Western Blot - Anti-PDPK1 Rabbit mAb [36K73K16]

All lanes: R013172 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: A431 (Human epidermoid teratoma cell line) whole cell lysates

Lane 5: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates

Lane 6: Rat spleen whole tissue lysates

Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 63 kDa

Observed band size: 63 kDa

Developed using the ECL technique (Cat. No. SQ201).