

Anti-PDPK1/Pdk 1 Rabbit Monoclonal Antibody

Catalog # ABO13688

Product Information

Application	WB, IHC, IF, ICC
Primary Accession	O15530
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-PDPK1/Pdk 1 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human, Mouse, Rat.

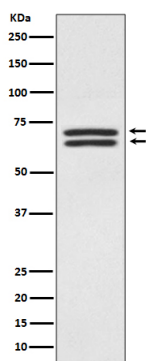
Additional Information

Other Names	3-phosphoinositide-dependent protein kinase 1, hPDK1, 2.7.11.1, PDPK1, PDK1
Calculated MW	63152 Da
Application Details	WB 1:1000-1:2000 IHC 1:100-1:500 ICC/IF 1:50-1:200
Subcellular Localization	Cytoplasm. Nucleus. Cell membrane; Peripheral membrane protein. Cell junction, focal adhesion. Tyrosine phosphorylation seems to occur only at the cell membrane. Translocates to the cell membrane following insulin stimulation by a mechanism that involves binding to GRB14 and INSR. SRC and HSP90 promote its localization to the cell membrane. Its nuclear localization is dependent on its association with PTPN6 and its phosphorylation at Ser-396. Restricted to the nucleus in neuronal cells while in non-neuronal cells it is found in the cytoplasm. The Ser-241 phosphorylated form is distributed along the perinuclear region in neuronal cells while in non- neuronal cells it is found in both the nucleus and the cytoplasm. IGF1 transiently increases phosphorylation at Ser-241 of neuronal PDPK1, resulting in its translocation to other cellular compartments. The tyrosine-phosphorylated form colocalizes with PTK2B in focal adhesions after angiotensin II stimulation.
Tissue Specificity	Appears to be expressed ubiquitously. The Tyr- 9 phosphorylated form is markedly increased in diseased tissue compared with normal tissue from lung, liver, colon and breast..
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: HOO-16

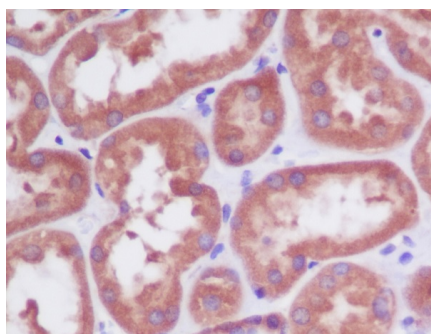
Immunogen	A synthesized peptide derived from human PDPK1
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

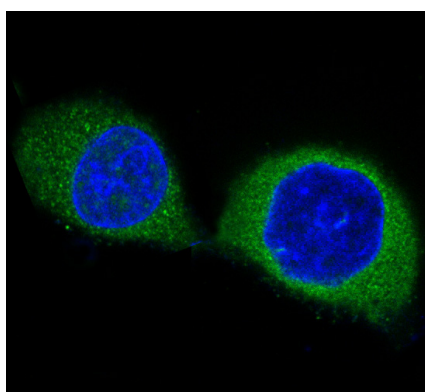
Images



Western blot analysis of PDPK1 expression in HEK293 cell lysate.



Immunohistochemical analysis of paraffin-embedded human kidney, using PDPK1 Antibody.



Immunofluorescent analysis of PC-12 cells, using PDPK1 Antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.