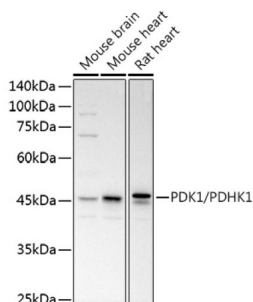
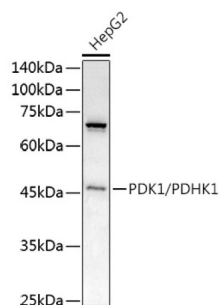


Pyruvate Dehydrogenase Kinase Isozyme 1 (PDK1) Antibody

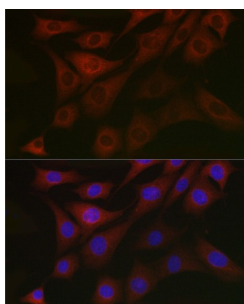
Catalogue No.: abx000875



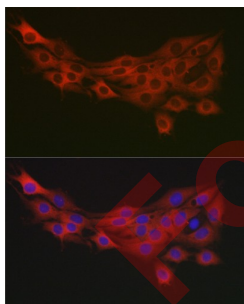
Western blot analysis of extracts of various cell lines using PDK1/PDHK1 Antibody (1/1000 dilution).



Western blot analysis of extracts of HepG2 cells using PDK1/PDHK1 Antibody (1/1000 dilution).



Immunofluorescence analysis of NIH/3T3 cells using PDK1/PDHK1 Antibody (1/100 dilution, 40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of PC-12 cells using PDK1/PDHK1 Antibody (1/100 dilution, 40x lens). Blue: DAPI for nuclear staining.

PDK1 Antibody is a Rabbit Polyclonal antibody against PDK1. PDK1(pyruvate dehydrogenase kinase isoform 1) is also named as PDHK1 and belongs to the PDK/BCKDK protein kinase family. It inhibits the mitochondrial pyruvate dehydrogenase complex by phosphorylation of the E1 alpha subunit, thus contributing to the regulation of glucose metabolism(PMID:17683942). Starvation increases islet PDK activity(PMID:11723055). This antibody is specific to PDK1.

Target: Pyruvate Dehydrogenase Kinase Isozyme 1 (PDK1)

Clonality: Polyclonal

Datasheet

Version: 4.0.0
Revision date: 15 Aug 2025



Reactivity:	Human, Mouse, Rat
Tested Applications:	WB, IF/ICC
Host:	Rabbit
Recommended dilutions:	WB: 1/500 - 1/1000, IF/ICC: 1/50 - 1/200. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	A synthetic peptide corresponding to human PDK1/PDHK1
Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	Q15118 (UniProt , ExPASy)
Gene Symbol:	PDK1
GeneID:	5163
NCBI Accession:	NP_002601.1
KEGG:	hsa:5163
String:	9606.ENSP00000376352
Molecular Weight:	Calculated MW: 49 kDa/51 kDa Observed MW: 49 kDa
Buffer:	PBS, pH 7.3, containing 0.05% Proclin-300, 50% glycerol.
Concentration:	1 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.