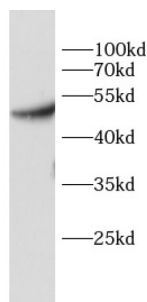


Pyruvate Dehydrogenase Kinase Isozyme 1 (PDK1) Antibody

Catalogue No.: abx147623



WB analysis of HeLa cells, using PDK1 antibody (1/1000 dilution).

Pyruvate Dehydrogenase Kinase Isozyme 1 (PDK1) Antibody is a Rabbit Polyclonal antibody for the detection of PDK1.

Kinase that plays a key role in regulation of glucose and fatty acid metabolism and homeostasis via phosphorylation of the pyruvate dehydrogenase subunits PDHA1 and PDHA2. This inhibits pyruvate dehydrogenase activity, and thereby regulates metabolite flux through the tricarboxylic acid cycle, down-regulates aerobic respiration and inhibits the formation of acetyl-coenzyme A from pyruvate. Plays an important role in cellular responses to hypoxia and is important for cell proliferation under hypoxia. Protects cells against apoptosis in response to hypoxia and oxidative stress.

Target: Pyruvate Dehydrogenase Kinase Isozyme 1 (PDK1)

Clonality: Polyclonal

Reactivity: Human

Tested Applications: ELISA, WB

Host: Rabbit

Recommended dilutions: WB: 1/500 - 1/2000. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: pyruvate dehydrogenase kinase, isozyme 1

Isotype: IgG

Form: Liquid

Purity: ≥ 95% (SDS-PAGE)

Purification: Purified by immunogen affinity chromatography.

Datasheet

Version: 2.0.0
Revision date: 15 Aug 2025



Storage: Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

Validity: 12 months.

UniProt Primary AC: Q15118 ([UniProt](#), [ExPASy](#))

Gene Symbol: PDK1

GeneID: [5163](#)

OMIM: [602524](#)

HGNC: 8809

KEGG: hsa:5163

Ensembl: ENSG00000152256

String: [9606.ENSP00000376352](#)

Molecular Weight: Observed MW: 50 kDa

Buffer: PBS, pH 7.3, with 0.02% sodium azide and 50% glycerol.

Concentration: 2 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.