

PDK1 Monoclonal Antibody

Description

Product type Primary Antibody

Code BT-MCA1013

Host Mouse

Isotype IgG

Size 50ul, 100ul

Immunogen Purified recombinant fragment of human PDK1 expressed in E. Coli.

Mol wt N/A

Species reactivity Human, Rat, Monkey

Clonality Monoclonal

Recommended application WB, IHC-p, IF, ICC, FCM, ELISA

Concentration 1 mg/ml

Full name Pyruvate dehydrogenase (acetyl-transferring) kinase isozyme 1, mitochondrial

Synonyms PDK1; PDHK1; Pyruvate dehydrogenase (lipoamide) kinase isozyme 1; mitochondrial; Pyruvate

dehydrogenase kinase isoform 1

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

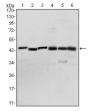
Pyruvate dehydrogenase (PDH) is a mitochondrial multienzyme complex that catalyzes the oxidative decarboxylation of pyruvate and is one of the major enzymes responsible for the regulation of homeostasis of carbohydrate fuels in mammals. The enzymatic activity is regulated by a phosphorylation/dephosphorylation cycle. Phosphorylation of PDH by a specific pyruvate dehydrogenase kinase (PDK) results in inactivation. Multiple alternatively spliced transcript variants have been found for this gene.

Recommended Dilution

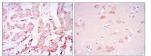
FC: 1:200 - 1:400 IF: 1:200 - 1:1000 IHC: 1:200 - 1:1000 WB: 1:500 - 1:2000

Not yet tested in other applications.

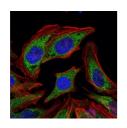
Images



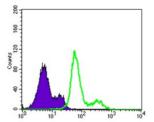
Western Blot analysis using PDK1 Monoclonal antibody against NIH/3T3 (1) HeLa (2) Jurkat (3) HepG2 (4) PC-12 (5) and Cos7 (6) cell lysate.



Immunohistochemistry analysis of paraffin-embedded breast cancer tissues (left) and brain tissues (right) with DAB staining using PDK1 Monoclonal antibody.



Immunofluorescence analysis of HELA cells using PDK1 Monoclonal antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow cytometric analysis of Lovo cells using PDK1 Monoclonal antibody (green) and negative control (purple).

Storage

-20°C for one year

501 Changsheng S Rd, Nanhu Dist, Jiaxing, Zhejiang, China

Tel: 86 21 31007137 | E-mail: save@bt-laboratory.com | www.bt-laboratory.com