PDK1/PDHK1 Polyclonal Antibody

catalog number: **E-AB-90030**

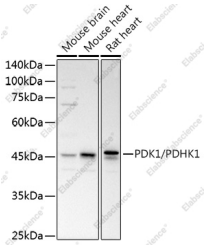
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	A synthetic peptide of human PDK1/PDHK1
Host	Rabbit
Isotype	Rabbit IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

Applications	Recommended Dilution
WB	1:500-1:1000
IF	1:50-1:200

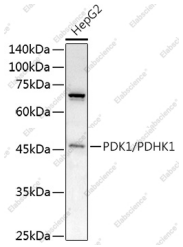
Data



Western blot analysis of extracts of various cell lines using PDK1/PDHK1 Polyclonal Antibody at 1:1000 dilution.

Observed-MW:49 kDa

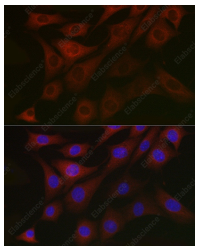
Calculated-MW:49 kDa/51 kDa



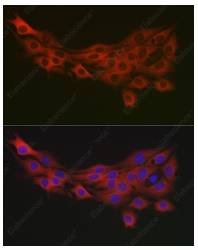
Western blot analysis of extracts of HepG2 cells using PDK1/PDHK1 Polyclonal Antibody at 1:1000 dilution.

Observed-MW:49 kDa

Calculated-MW:49 kDa/51 kDa



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



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

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

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.

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