

PDK1 Ab

[References\(1\)](#) [Images\(2\)](#)

Cat.#: BF0312 Concn.: ~1mg/ml Mol.Wt.: 44kDa
Size: Source: Mouse Clonality: Monoclonal

Application: ELISA 1:10000, WB 1:500-1:2000, IHC 1:200-1:1000, IF/ICC
1:200-1:1000, FCM 1:200-1:400

*The optimal dilutions should be determined by the end user.

Reactivity: Human,Rat,Monkey

Storage: Mouse IgG1 in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH
7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C.
Stable for 12 months from date of receipt.

Purification: Affinity-chromatography.

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

Uniprot: Q15118

Description: 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. (provided by RefSeq). Tissue specificity: Expressed predominantly in the heart.

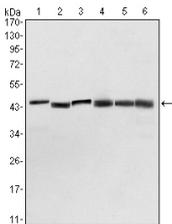


Figure 1: Western blot analysis using PDK1 mouse mAb against NIH/3T3 (1), Hela (2), Jurkat (3), HepG2 (4), PC-12 (5), and Cos7 (6) cell lysate.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk, 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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