

Datasheet

PDK1 monoclonal antibody, clone AT2D6

Catalog Number: MAB7556

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against recombinant PDK1.

Clone Name: AT2D6

Immunogen: Recombinant protein corresponding to amino acids 29-436 of human PDK1.

Host: Mouse

Reactivity: Human

Applications: ELISA, WB-Ti

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Specificity: This antibody reacts with human PDK1.

Form: Liquid

Isotype: IgG1, kappa

Recommend Usage: Western Blot (1:250)

The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS, pH 7.4 (0.09% sodium azide)

Storage Instruction: Store at -20°C.

Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 5163

Gene Symbol: PDK1

Gene Alias: -

Gene Summary: 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]

References:

1. Diversity of the pyruvate dehydrogenase kinase gene family in humans. Gudi R, Bowker-Kinley MM, Kedishvili NY, Zhao Y, Popov KM. J Biol Chem. 1995 Dec 1;270(48):28989-94.