

PDK2 Antibody

Mouse Monoclonal Antibody (Mab) Catalog # AM1866B

Product Information

Application WB, IHC-P, E
Primary Accession Q15119
Other Accession NP_002602.2
Reactivity Human, Mouse, Rat

HostMouseClonalityMonoclonalIsotypeIgG1,KClone Names180CT10.2.3

Additional Information

Other Names [Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 2,

mitochondrial, Pyruvate dehydrogenase kinase isoform 2, PDH kinase 2,

PDKII, PDK2, PDHK2

Target/SpecificityThis PDK2 monoclonal antibody is generated from mouse immunized with

PDK2 recombinant protein.

Dilution WB~~1:2000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.

Format Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.

This antibody is purified through a protein G column, followed by dialysis

against PBS.

Storage Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions PDK2 Antibody is for research use only and not for use in diagnostic or

therapeutic procedures.

Protein Information

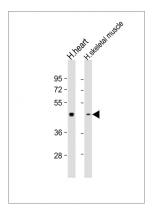
Background

Inhibits the mitochondrial pyruvate dehydrogenase complex by phosphorylation of the E1 alpha subunit, thus contributing to the regulation of glucose metabolism.

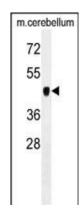
References

Li, J., et al. J. Biol. Chem. 284(49):34458-34467(2009) Fencl, F., et al. Pediatr. Nephrol. 24(5):983-989(2009) Sun, W., et al. Clin. Cancer Res. 15(2):476-484(2009) Hiromasa, Y., et al. Biochemistry 47(8):2312-2324(2008) Hiromasa, Y., et al. Biochemistry 47(8):2298-2311(2008)

Images



All lanes: Anti- at 1:1000 dilution Lane 1: human heart lysate Lane 2: human skeletal muscle lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 46 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



PDK2 Antibody (Cat. #AM1866b) western blot analysis in mouse cerebellum tissue lysates (35µg/lane). This demonstrates the PDK2 antibody detected the PDK2 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.