

Datasheet for ABIN1539888

anti-PDK3 antibody[Go to Product page](#)**1** Image

Overview

Quantity:	0.1 mL
Target:	PDK3
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB)

Product Details

Immunogen:	Purified His-tagged PDK3 protein(Fragment) was used to produced this monoclonal antibody.
Clone:	431CT6-1
Isotype:	IgG2b
Purification:	Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.

Target Details

Target:	PDK3
Alternative Name:	PDK3 (PDK3 Products)
Background:	The pyruvate dehydrogenase (PDH) complex is a nuclear-encoded mitochondrial multienzyme complex that catalyzes the overall conversion of pyruvate to acetyl-CoA and CO(2). It provides the primary link between glycolysis and the tricarboxylic acid (TCA) cycle, and thus is one of the major enzymes responsible for the regulation of glucose metabolism. The enzymatic activity of PDH is regulated by a phosphorylation/dephosphorylation cycle, and phosphorylation results in

Target Details

inactivation of PDH. The protein encoded by this gene is one of the three pyruvate dehydrogenase kinases that inhibits the PDH complex by phosphorylation of the E1 alpha subunit. This gene is predominantly expressed in the heart and skeletal muscles. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Molecular Weight: 46939

Gene ID: 5165

NCBI Accession: [NP_001135858](#), [NP_005382](#)

UniProt: [Q15120](#)

Pathways: [PI3K-Akt Signaling](#), [Carbohydrate Homeostasis](#), [Regulation of Carbohydrate Metabolic Process](#), [Warburg Effect](#)

Application Details

Application Notes: WB: 1:100~800

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Mouse monoclonal antibody supplied in crude ascites with 0.09 % (W/V) sodium azide.

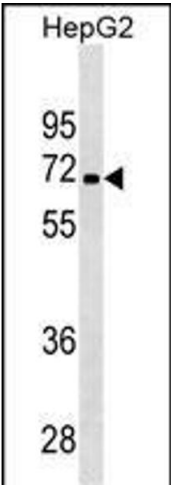
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: PDK3 Antibody(Ascites) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, keep at -20 °C.

Expiry Date: 6 months



Western Blotting

Image 1. PDK3 Antibody ABIN1539888 western blot analysis in HepG2 cell line lysates (35 µg/lane). This demonstrates the PDK3 antibody detected the PDK3 protein (arrow).