Recombinant PDK2 Monoclonal Antibody

catalog number: **AN301725L**

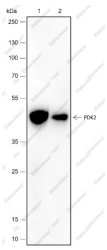
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	Recombinant human PDK2 fragment
Host	Rabbit
Isotype	Rabbit IgG
Clone	C131347
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
WB	1:1000-1:10000

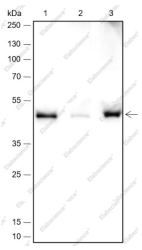
Data



Western Blot with PDK2 Monoclonal Antibody at dilution of 1:10000. Lane 1: Mouse heart, Lane 2: Rat heart

Observed-MW:46 kDa

Calculated-MW:46 kDa



Western Blot with PDK2 Monoclonal Antibody at dilution of 1:1000. Lane 1: A431, Lane 2: Neuro-2a, Lane 3: C6

Observed-MW:46 kDa

Calculated-MW:46 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

[Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 2 (PDK2) is a kinase that plays a key role in the regulation of glucose and fatty acid metabolism and homeostasis via phosphorylation of the pyruvate dehydrogenase subunits PDHA1 and PDHA2. This inhibits pyruvate dehydrogenase activity, and thereby regulates metabolite flux through the tricarboxylic acid cycle, down-regulates aerobic respiration and inhibits the formation of acetyl-coenzyme A from pyruvate. PDK2 Mediates cellular responses to insulin and plays an important role in maintaining normal blood glucose levels and in metabolic adaptation to nutrient availability.

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