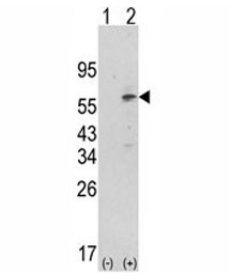
PDK1 Antibody / Pyruvate dehydrogenase kinase 1 (F50051)

Catalog No.	Formulation	Size
F50051-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F50051-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	Q15118
Applications	Western Blot : 1:1000
Limitations	This PDK1 antibody is available for research use only.



Western blot analysis of PDK1 antibody and 293 cell lysate (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the PDK1 gene. Predicted molecular weight ~49 kDa.

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.

Application Notes

Titration of the PDK1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 1-30 from the human protein was used as the immunogen for this PDK1 antibody.

Storage

Aliquot the PDK1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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