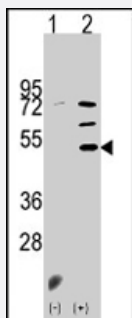


PDK3 polyclonal antibody

Catalog # PAB4563

Size 400 uL

Applications



Western Blot (Transfected lysate)

Western blot analysis of PDK3 (arrow) using rabbit PDK3 polyclonal antibody (Cat # PAB4563). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the PDK3 gene (Lane 2) (Origene Technologies).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PDK3.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human PDK3.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification
Recommend Usage	ELISA (1:1000) Western Blot (1:100-500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

Western blot analysis of PDK3 (arrow) using rabbit PDK3 polyclonal antibody (Cat # PAB4563). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the PDK3 gene (Lane 2) (Origene Technologies).

- Enzyme-linked Immunoabsorbent Assay

Gene Info — PDK3

Entrez GeneID [5165](#)

Protein Accession# [NP_005382:Q15120](#)

Gene Name PDK3

Gene Alias -

Gene Description pyruvate dehydrogenase kinase, isozyme 3

Omim ID [602526](#)

Gene Ontology [Hyperlink](#)

Gene Summary O

Other Designations OTTHUMP00000023083|pyruvate dehydrogenase kinase, isoenzyme 3

Publication Reference

- [Satellite glia as a critical component of diabetic neuropathy: Role of lipocalin-2 and pyruvate dehydrogenase kinase-2 axis in the dorsal root ganglion.](#)

Anup Bhusal, Md Habibur Rahman, Won-Ha Lee, In-Kyu Lee, KyoungHo Suk.

Glia 2021 Apr; 69(4):971.

Application: WB-Ti, Mouse, Mouse dorsal root ganglion

- [Astrocytic pyruvate dehydrogenase kinase-2 is involved in hypothalamic inflammation in mouse models of diabetes.](#)

Md Habibur Rahman, Anup Bhusal, Jae-Hong Kim, Mithilesh Kumar Jha, Gyun Jee Song, Younghoon Go, Il-Sung Jang, In-Kyu Lee, Kyoungso Suk.

Nature Communications 2020 Nov; 11(1):5906.

Application: WB-Ti, Mouse , Mouse brain, Mouse hypothalamus

- [Pyruvate dehydrogenase complex activity controls metabolic and malignant phenotype in cancer cells.](#)

McFate T, Mohyeldin A, Lu H, Thakar J, Henriques J, Halim ND, Wu H, Schell MJ, Tsang TM, Teahan O, Zhou S, Califano JA, Jeoung NH, Harris RA, Verma A.

The Journal of Biological Chemistry 2008 Jun; 283(33):22700.