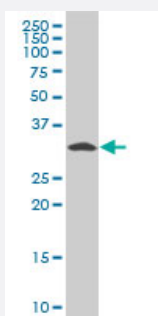


PDXK polyclonal antibody (A01)

Catalog # H00008566-A01

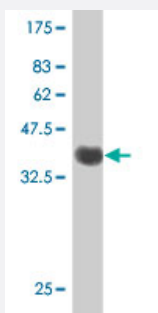
Size 50 uL

Applications



Western Blot (Cell lysate)

PDXK polyclonal antibody (A01), Lot # 061103JCS1 Western Blot analysis of PDXK expression in HeLa (Cat # L013V1).



Western Blot detection against Immunogen (38.21 KDa) .

Specification

Product Description

Mouse polyclonal antibody raised against a partial recombinant PDXK.

Immunogen

PDXK (NP_003672, 51 a.a. ~ 160 a.a) partial recombinant protein with GST tag.

Sequence

HWKGQVLNSDELQELYEGLRLNNMNKYDYVLTGYTRDKSFLAMVVDIVQELKQQNPRLVYVCDP
VLGDKWDGEGSMYPEDLLPVYKEKVPLADIITPNQFEAEELLSGR

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence

Mouse (86); Rat (87)

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (38.21 KDa) .

Storage Buffer

50 % glycerol

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

PDXK polyclonal antibody (A01), Lot # 061103JCS1 Western Blot analysis of PDXK expression in HeLa (Cat # L013V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — PDXK

Entrez GeneID

[8566](#)

GeneBank Accession#

[NM_003681](#)

Protein Accession#

[NP_003672](#)

Gene Name

PDXK

Gene Alias

C21orf124, C21orf97, DKFZp566A071, FLJ31940, FLJ37311, MGC15873, MGC31754, MGC52346, PKH, PNK, PRED79

Gene Description

pyridoxal (pyridoxine, vitamin B6) kinase

Omim ID

[179020](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

The protein encoded by this gene phosphorylates vitamin B6, a step required for the conversion of vitamin B6 to pyridoxal-5-phosphate, an important cofactor in intermediary metabolism. The encoded protein is cytoplasmic and probably acts as a homodimer. Alternatively spliced transcript variants have been described, but their biological validity has not been determined. [provided by RefSeq]

Other Designations

pyridoxal kinase|pyridoxamine kinase|pyridoxine kinase|vitamin B6 kinase

Publication Reference

- [Long-term prednisolone treatments increase bioactive vitamin B6 synthesis in vivo.](#)

Chang HY, Tzen JT, Lin SJ, Wu YT, Chiang EP.

The Journal of Pharmacology and Experimental Therapeutics 2011 Apr; 337(1):102.

Application: WB, Mouse, Liver, brain, kidney, heart, gastrocnemius muscle

Pathway

- [Metabolic pathways](#)
- [Vitamin B6 metabolism](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)
- [Parkinson Disease](#)