



Anti-PDXK (aa 51-160) polyclonal antibody (DPAB-DC3589)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	PDXK (NP_003672, 51 a.a. ~ 160 a.a) partial recombinant protein with GST tag. The sequence is HWKGQVLNSDELQELYEGLRLNNMNKYDYVLTGYTRDKSFLAMVV DIVQELKQQNPRLVY VCDPVLGDKWDGEGSMYVPEDLLPVYKEVVPPLADIITPNQFEAELLSGR
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Cell lysate), WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	PDXK pyridoxal (pyridoxine, vitamin B6) kinase [Homo sapiens (human)]
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Official Symbol	PDXK
Synonyms	PDXK; pyridoxal (pyridoxine, vitamin B6) kinase; PKH; PNK; PRED79; C21orf97; HEL-S-1a; C21orf124; pyridoxal kinase; pyridoxine kinase; vitamin B6 kinase; pyridoxamine kinase; epididymis secretory sperm binding protein Li 1a;
Entrez Gene ID	8566
Protein Refseq	NP_003672
UniProt ID	Q00764
Chromosome Location	21q22.3
Pathway	Defective AMN causes hereditary megaloblastic anemia 1; Defective CD320 causes methylmalonic aciduria; Defective GIF causes intrinsic factor deficiency; Defective LMBRD1 causes methylmalonic aciduria and homocystinuria type cblF
Function	ATP binding; lithium ion binding; magnesium ion binding; potassium ion binding
