



Anti-PGK2 (aa 268-339) polyclonal antibody (DPAB-DC2233)

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

PRODUCT INFORMATION

Antigen Description	This gene is intronless, arose via retrotransposition of the phosphoglycerate kinase 1 gene, and is expressed specifically in the testis. Initially assumed to be a pseudogene, the encoded protein is actually a functional phosphoglycerate kinase that catalyzes the reversible conversion of 1,3-bisphosphoglycerate to 3-phosphoglycerate, during the Embden-Meyerhof-Parnas pathway of glycolysis, in the later stages of spermatogenesis.[provided by RefSeq, May 2010]
Immunogen	PGK2 (NP_620061, 268 a.a. ~ 339 a.a) partial recombinant protein with GST tag. The sequence is DIMAKAQKNGVRITFPVDFVTGDKFDENAQVGKATVASGISPGWMGLDCGPESNKNHAQV VAQARLIVWNGP
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	PGK2 phosphoglycerate kinase 2 [Homo sapiens (human)]
Official Symbol	PGK2
Synonyms	PGK2; phosphoglycerate kinase 2; PGKB; PGKPS; HEL-S-272; dJ417L20.2; epididymis secretory protein Li 272; phosphoglycerate kinase, testis specific; phosphoglycerate kinase autosomal pseudogene;
Entrez Gene ID	5232
Protein Refseq	NP_620061
UniProt ID	P07205
Chromosome Location	6p12.3
Pathway	Biosynthesis of amino acids; Carbon metabolism; Gluconeogenesis, oxaloacetate => Gluconeogenesis, oxaloacetate =>
Function	ATP binding; phosphoglycerate kinase activity;