

Product datasheet for **AP51844PU-N**

Glycerol kinase (GK) (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1000. Western Blot: 1/100-1/500. Immunohistochemistry on Paraffin Sections: 1/10-1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 23-51 amino acids from the N-terminal region of Human Glycerol kinase
Specificity:	This antibody recognizes Human Glycerol kinase (N-term).
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A column, followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	glycerol kinase
Database Link:	Entrez Gene 2710 Human P32189



[View online »](#)

Background: The product of this gene belongs to the FGGY kinase family of proteins and encodes glycerol kinase. Glycerol kinase is a key enzyme in the regulation of glycerol uptake and metabolism. It catalyzes the phosphorylation of glycerol by ATP, yielding ADP and glycerol-3-phosphate. Defects in this gene are the cause of glycerol kinase deficiency (GKD). Alternatively spliced transcript variants encoding different isoforms have been identified.

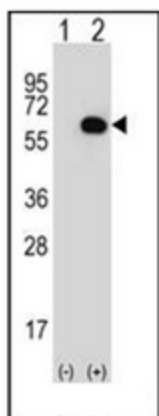
Synonyms: Glycerokinase, GK, GKD

Note: **Molecular Weight:** 61245 Da

Protein Families: Druggable Genome

Protein Pathways: Glycerolipid metabolism, Metabolic pathways, PPAR signaling pathway

Product images:



Western blot analysis of GK (arrow) using Glycerol kinase Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the GK gene.



Immunohistochemistry analysis in formalin fixed and paraffin embedded human testis tissue reacted with Glycerol kinase Antibody (N-term) followed by peroxidase conjugation of the secondary antibody and DAB staining.