

Anti-Human GK1/3 Polyclonal Antibody

Polyclonal Antibody

Cat.NO.: PA04201

3th Edition

Description:The protein encoded by GK belongs to the FGGY kinase family. This protein 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. Mutations in this gene are associated with glycerol kinase deficiency (GKD). Alternatively spliced transcript variants encoding different isoforms have been found for this gene. GK (Glycerol Kinase) is a Protein Coding gene. Diseases associated with GK include Glycerol Kinase Deficiency and Glycerol Kinase Deficiency, Adult Form. Among its related pathways are triacylglycerol biosynthesis and Glycerophospholipid Biosynthetic Pathway. GO annotations related to this gene include kinase activity and glycerol kinase activity. An important paralog of this gene is GK3P. GK3P (Glycerol Kinase 3 Pseudogene) is a Pseudogene. An important paralog of this gene is GK.

Antigen:Synthesized peptide derived from the N-terminal region of human GK1/3

Form:

How to use:1.0 ml distilled water will be added to the product

Stability: Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

Dilution:PBS (pH7.4) containing 1% BSA

Application:This antibody can be used for western blotting in concentration of 1?5?g/ml.

Specificity:Highly expressed in the liver, kidney and testis. Isoform 2 and isoform 3 are expressed specifically in testis and fetal liver, but not in the adult liver.