

Anti-Glycerol kinase Rabbit Monoclonal Antibody
Catalog # ABO15986**Specification**

Anti-Glycerol kinase Rabbit Monoclonal Antibody - Product Information

Application	WB, IP, FC
Primary Accession	P32189
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

Description

Anti-Glycerol kinase Rabbit Monoclonal Antibody . Tested in WB, IP, Flow Cytometry applications.
This antibody reacts with Human, Mouse, Rat.

Anti-Glycerol kinase Rabbit Monoclonal Antibody - Additional Information

Gene ID 2710

Other Names

Glycerol kinase, Glycerokinase, 2.7.1.30, ATP:glycerol 3-phosphotransferase, GK (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=4289)
HGNC:4289

Calculated MW

50 kDa KDa

Application Details

WB 1:500-1:2000
IP 1:50
FC 1:50

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human Glycerol kinase

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Anti-Glycerol kinase Rabbit Monoclonal Antibody - Protein Information

Name GK ([HGNC:4289](#))

Function

Kinase that plays a key role in glycerol metabolism, catalyzing its phosphorylation to produce sn-glycerol 3-phosphate. Sn- glycerol 3-phosphate is a crucial intermediate in various metabolic pathways, such as the synthesis of glycerolipids and triglycerides, glycogenesis, glycolysis and gluconeogenesis.

Cellular Location

Mitochondrion outer membrane; Single-pass membrane protein. Nucleus. Cytoplasm, cytosol. Note=Glycerol kinase activity is more cytosolic in some tissues. It probably represents the expression of isoforms lacking a transmembrane domain [Isoform 4]: Cytoplasm, cytosol. Note=In adult tissues, such as liver the glycerol kinase activity is more cytosolic. It probably represents the expression of this isoform which lacks a transmembrane domain

Tissue Location

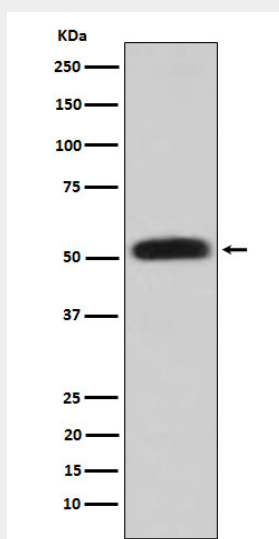
[Isoform 2]: Widely expressed in fetal and adult tissues. [Isoform 4]: The sole isoform expressed in adult liver and kidney.

Anti-Glycerol kinase Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-Glycerol kinase Rabbit Monoclonal Antibody - Images



Western blot analysis of Glycerol kinase expression in HepG2 cell lysate.