

Anti-Glycerol kinase Rabbit Monoclonal Antibody

Catalog # ABO15986

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.

Additional Information

Gene ID	2710
Other Names	Glycerol kinase, Glycerokinase, 2.7.1.30, ATP:glycerol 3-phosphotransferase, GK (HGNC:4289)
Calculated MW	61245
Application Details	WB 1:500-1:2000 IP 1:50 FC 1:50
Source	Eukaryota
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.
Clone Names Immunogen	Clone: 25G65 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.

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.

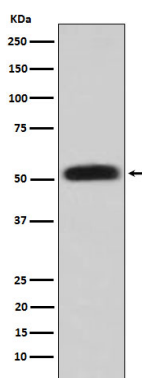
Cellular Location

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.

Images



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

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