

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

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**Anti-Glycerol kinase Rabbit Monoclonal Antibody - Product Information**

Application	WB, IP, FC
Primary Accession	<a href="#">P32189</a>
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](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<br>IP 1:50<br>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

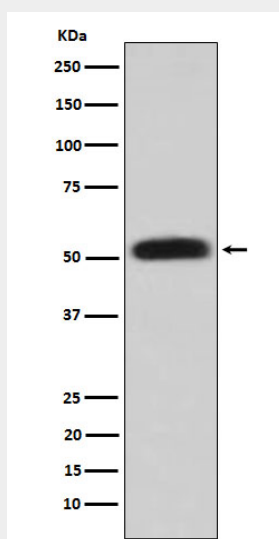
[Isoform 2]: Widely expressed in fetal and adult tissues. [Isoform 4]: The sole isoform expressed in adult liver and kidney.

## 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.