

## Product datasheet

# Anti-Glycerol kinase antibody ab88505

★★★★★ 1 Abreviews 3 图像

### 概述

产品名称	Anti-Glycerol kinase抗体
描述	小鼠多克隆抗体to Glycerol kinase
宿主	Mouse
经测试应用	适用于: WB, IHC-P
种属反应性	与反应: Mouse, Human
免疫原	Full length protein, corresponding to amino acids 1-524 of Human Glycerol kinase (NP_000158.1)
阳性对照	human placenta lysate, transfected 293T cell line, human kidney tissue.

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: None Constituents: PBS, pH 7.2
纯度	Protein A purified
克隆	多克隆
同种型	IgG

### 应用

Our [Abpromise guarantee](#) covers the use of **ab88505** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
WB		
IHC-P	★★★★★	
应用说明	IHC-P: Use at a concentration of 3 µg/ml.	

WB: Use at a concentration of 1 - 5 µg/ml. Predicted molecular weight: 57 kDa.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

## 靶标

### 功能

Key enzyme in the regulation of glycerol uptake and metabolism.

### 组织特异性

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.

### 通路

Polyol metabolism; glycerol degradation via glycerol kinase pathway; sn-glycerol 3-phosphate from glycerol: step 1/1.

### 疾病相关

Defects in GK are the cause of GK deficiency (GKD) [MIM:307030]. This disease can be either symptomatic with episodic metabolic and CNS decompensation or asymptomatic with hyperglycerolemia and hyperglyceroluria only.

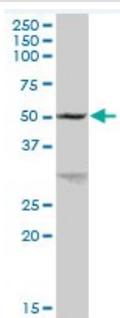
### 序列相似性

Belongs to the FGGY kinase family.

### 细胞定位

Mitochondrion outer membrane. Cytoplasm. In sperm and fetal tissues, the majority of the enzyme is bound to mitochondria, but in adult tissues, such as liver found in the cytoplasm.

## 图片



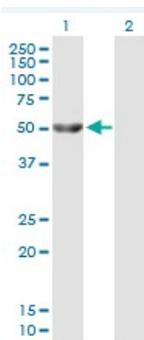
Anti-Glycerol kinase antibody (ab88505) at 5 µg/ml + human placenta lysate at 50 µg

### Secondary

HRP goat anti mouse IgG at 1/2500 dilution

**Predicted band size: 57 kDa**

Western blot - Anti-Glycerol kinase antibody  
(ab88505)



Western blot - Anti-Glycerol kinase antibody  
(ab88505)

**All lanes :** Anti-Glycerol kinase antibody  
(ab88505) at 5 µg/ml

**Lane 1 :** transfected 293T cell line

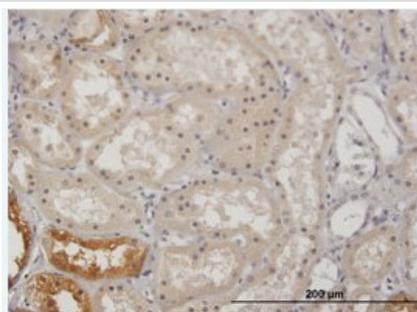
**Lane 2 :** non transfected 293T cell line

Lysates/proteins at 25 µg per lane.

#### Secondary

**All lanes :** HRP goat anti mouse IgG at  
1/2500 dilution

**Predicted band size:** 57 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-  
embedded sections) - Anti-Glycerol kinase antibody  
(ab88505)

Immunohistochemical analysis of Glycerol  
kinase expression in formalin-fixed paraffin-  
embedded human kidney using 3µg ab88505.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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- We investigate all quality concerns to ensure our products perform to the highest standards

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