



# Anti-PGAM5 antibody ab126534

★★★★★ [2 Abreviews](#) [26 References](#) [6 图像](#)

### 概述

产品名称	Anti-PGAM5抗体
描述	兔多克隆抗体to PGAM5
宿主	Rabbit
经测试应用	适用于: ICC/IF, WB, IHC-P
种属反应性	与反应: Human
免疫原	Recombinant fragment corresponding to Human PGAM5 aa 61-146. Sequence:  NWDREPLSLINVRKRNVESGEEELASKLDHYKAKATRHIPL IRHSQYHV DGSLEKDRTLTPGREQAELTGLRLASLGLKFNKIV  Database link: <a href="#">Q96HS1</a>  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a>
阳性对照	ICC: MCF-7 whole cells; WB: RT-4 whole cell lysates transfected with siRNA; IHC-P: Human liver, testis, tonsil and colon tissue.
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 59% PBS
纯度	Immunogen affinity purified

克隆 多克隆  
同种型 IgG

## 应用

**The Abpromise guarantee** **Abpromise™**承诺保证使用ab126534于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC/IF		Use a concentration of 0.25 - 2 µg/ml.
WB	★★★★★ (2)	Use a concentration of 0.04 - 0.4 µg/ml. Predicted molecular weight: 32 kDa.
IHC-P		1/200 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

## 靶标

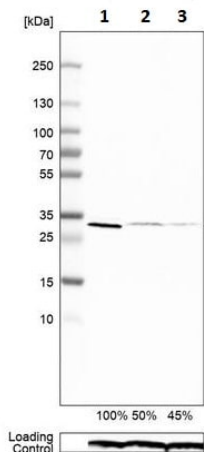
**功能** Displays phosphatase activity for serine/threonine residues, and, dephosphorylates and activates MAP3K5 kinase. Has apparently no phosphoglycerate mutase activity. May be regulator of mitochondrial dynamics. Substrate for a KEAP1-dependent ubiquitin ligase complex. Contributes to the repression of NFE2L2-dependent gene expression.

**序列相似性** Belongs to the phosphoglycerate mutase family. BPG-dependent PGAM subfamily.

**结构域** According to PubMed:18387606, may contain a non-cleaved N-terminal mitochondrial targeting sequence that targets PGAM5 to the cytosolic side of the outer mitochondrial membrane, instead of a N-terminal transmembrane.

**细胞定位** Mitochondrion. Mitochondrion outer membrane. Membrane. Isoform 2 overexpression results in the formation of disconnected punctuate mitochondria distributed throughout the cytoplasm. Isoform 1 overexpression results in the clustering of mitochondria around the nucleus.

## 图片



Western blot - Anti-PGAM5 antibody (ab126534)

**All lanes :** Anti-PGAM5 antibody (ab126534) at 0.4  $\mu\text{g/ml}$

**Lane 1 :** Control siRNA transfected into RT4 (Human urinary bladder cancer cell line) whole cell lysate

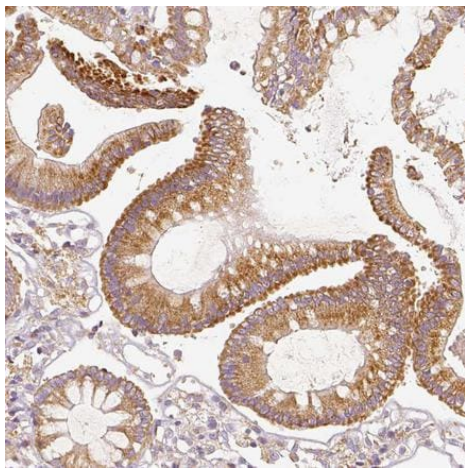
**Lane 2 :** siRNA probe #1 transfected into RT4 whole cell lysate

**Lane 3 :** siRNA probe #2 transfected into RT4 whole cell lysate

**Predicted band size:** 32 kDa

Loading control: Anti-PPIB

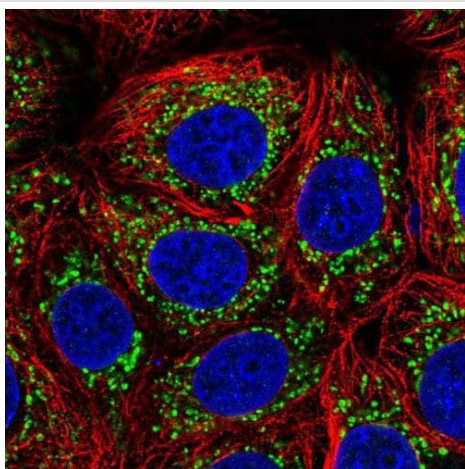
Genetic validation in WB by siRNA knockdown.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PGAM5 antibody (ab126534)

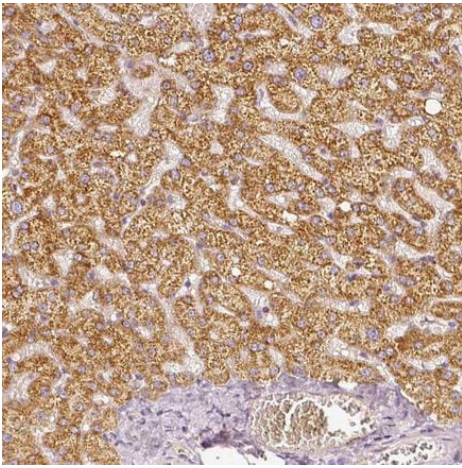
Immunohistochemical analysis of human colon tissue labeling PGAM5 in the granular cytoplasm of glandular cells with ab126534 at a 1/200 dilution.

Performed heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-PGAM5 antibody (ab126534)

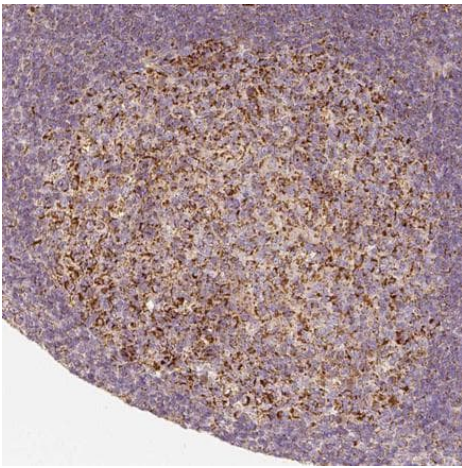
Immunocytochemical analysis of MCF7 (Human breast adenocarcinoma cell line) whole cells labeling PGAM5 in the mitochondria with ab126534 2  $\mu\text{g/ml}$ .



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PGAM5 antibody (ab126534)

Immunohistochemical analysis of human liver tissue labeling PGAM5 in the granular cytoplasm of hepatocytes with ab126534 at a 1/200 dilution.

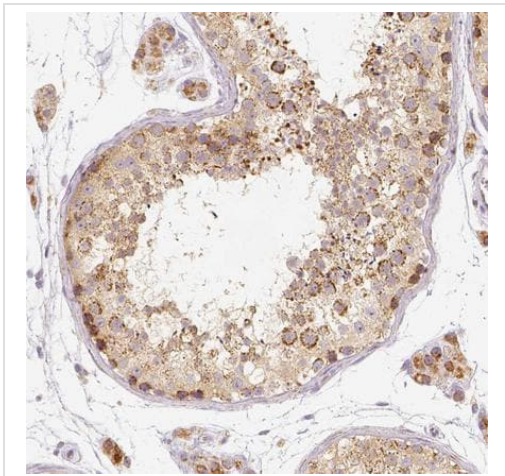
Performed heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PGAM5 antibody (ab126534)

Immunohistochemical analysis of human tonsil tissue labeling PGAM5 in the granular cytoplasm of germinal center cells with ab126534 at a 1/200 dilution.

Performed heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PGAM5 antibody (ab126534)

Immunohistochemical analysis of human testis tissue labeling PGAM5 in the granular cytoplasm of cells in seminiferous ducts with ab126534 at a 1/200 dilution.

Performed heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

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