

### Anti-PGAM5 antibody ab126534

★★★★★ [2 Abreviews](#) [26 References](#) [画像数 6](#)

#### 製品の概要

製品名	Anti-PGAM5 antibody
製品の詳細	Rabbit polyclonal to PGAM5
由来種	Rabbit
アプリケーション	<b>適用あり:</b> ICC/IF, WB, IHC-P
種交差性	<b>交差種:</b> Human
免疫原	Recombinant fragment corresponding to Human PGAM5 aa 61-146. Sequence:  NWDREPLSLINVRKRNVESGEEELASKLDHYKAKATRHIFL IRHSQYHV DGSLEKDRTLTPLGREQAELTGLRLASLGLKFNKIV  Database link: <a href="#">Q96HS1</a>  <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
ポジティブ・コントロール	ICC: MCF-7 whole cells; WB: RT-4 whole cell lysates transfected with siRNA; IHC-P: Human liver, testis, tonsil and colon tissue.
特記事項	<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>

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 59% PBS
精製度	Immunogen affinity purified

ポリ/モノ  
アイソタイプ

ポリクローナル  
IgG

## アプリケーション

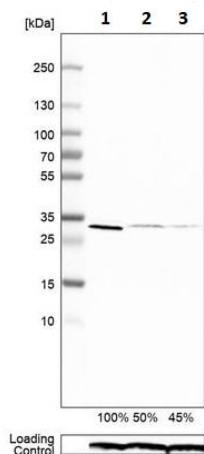
**The Abpromise guarantee**      **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab126534の使用に適用されます  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
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.

## ターゲット情報

機能	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.
配列類似性	Belongs to the phosphoglycerate mutase family. BPG-dependent PGAM subfamily.
ドメイン	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.
細胞内局在	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.

## 画像



Western blot - Anti-PGAM5 antibody (ab126534)

**All lanes :** Anti-PGAM5 antibody (ab126534) at 0.4 µg/ml

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

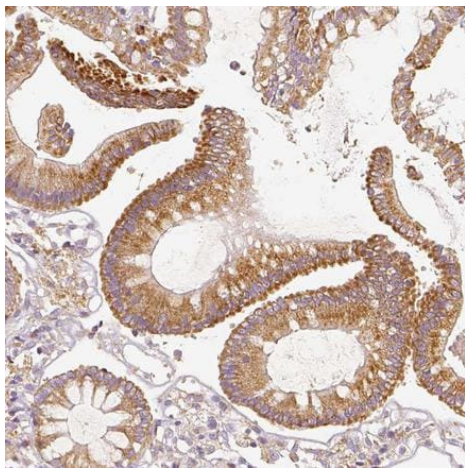
**Lane 2 :** siRNA probe #1 transfected into RT4 whole cell lysate

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

**Predicted band size:** 32 kDa

Loading control: Anti-PPIB

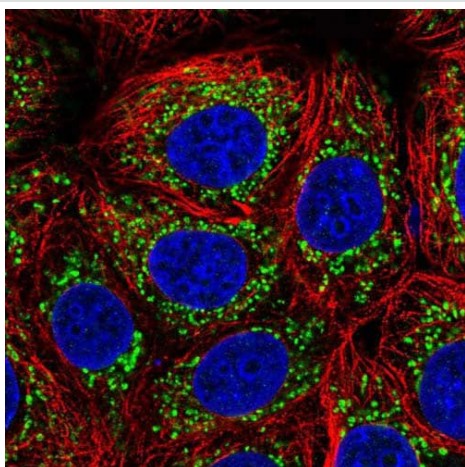
Genetic validation in WB by siRNA knockdown.



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

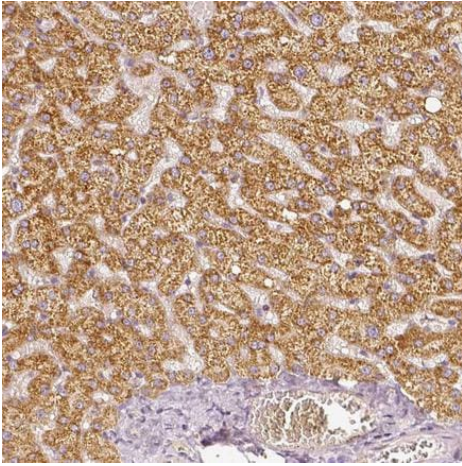
Immunohistochemical analysis of human colon tissue labeling PGAM5 in the granular cytoplasm of glandular cells with ab126534 at a 1/200 dilution.

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



Immunocytochemistry/ Immunofluorescence - Anti-PGAM5 antibody (ab126534)

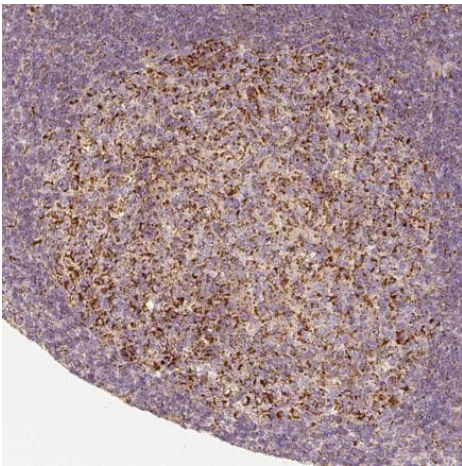
Immunocytochemical analysis of MCF7 (Human breast adenocarcinoma cell line) whole cells labeling PGAM5 in the mitochondria with ab126534 2 µg/ml.



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.

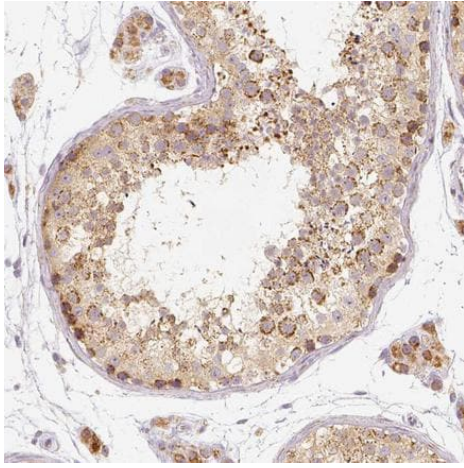
Performed heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



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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