

Anti-GFPT1 antibody [EPR4854] ab125069

重组 RabMAb

★★★★★ **2 Abreviews** **22 References** **7 图像**

概述

产品名称	Anti-GFPT1抗体[EPR4854]
描述	兔单克隆抗体[EPR4854] to GFPT1
宿主	Rabbit
特异性	The mouse and rat recommendation is based on the WB results. We do not guarantee IHC-P for mouse and rat.
经测试应用	适用于: WB, IP, IHC-P 不适用于: Flow Cyt or ICC/IF
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide within Human GFPT1 aa 600-700. The exact sequence is proprietary.
阳性对照	IHC-P: Human testis, and Human breast carcinoma tissue; WB: Human placenta lysate, MCF7, C6, MEF, 293T, JAR and HeLa cell line lysates, Mouse heart and Mouse cerebral cortex, Rat heart tissue lysate. IP: Jurkat cells.
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol, 0.05% BSA
纯度	Protein A purified
克隆	单克隆

克隆编号 EPR4854
同种型 IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab125069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
WB	★★★★★ (2)	1/200. Detects a band of approximately 79 kDa (predicted molecular weight: 79 kDa). For unpurified use at 1/1000 - 1/1000.
IP		1/10 - 1/100.
IHC-P		1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. For unpurified use at 1/100 - 1/250. See IHC antigen retrieval protocols . The mouse and rat recommendation is based on the WB results. We do not guarantee IHC-P for mouse and rat.

应用说明 Is unsuitable for Flow Cyt or ICC/IF.

靶标

功能 Controls the flux of glucose into the hexosamine pathway. Most likely involved in regulating the availability of precursors for N- and O-linked glycosylation of proteins.

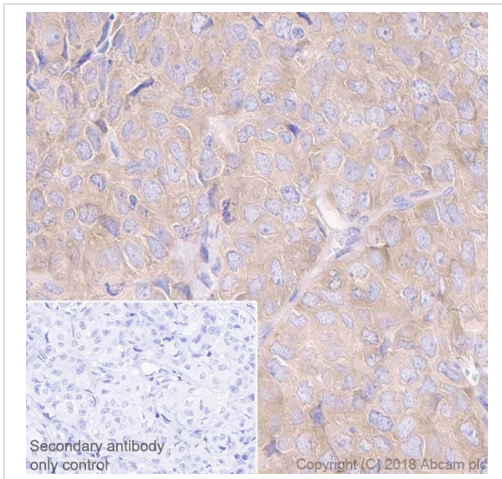
组织特异性 Isoform 1 is predominantly expressed in skeletal muscle. Not expressed in brain. Seems to be selectively expressed in striated muscle.

通路 Nucleotide-sugar biosynthesis; UDP-N-acetyl-alpha-D-glucosamine biosynthesis; alpha-D-glucosamine 6-phosphate from D-fructose 6-phosphate: step 1/1.

疾病相关 Defects in GFPT1 are the cause of limb-girdle myasthenia with tubular aggregates (LGMTA) [MIM:610542]. A congenital myasthenic syndrome characterized by onset of proximal muscle weakness in the first decade. Individuals with this condition have a recognizable pattern of weakness of shoulder and pelvic girdle muscles, and sparing of ocular or facial muscles. EMG classically shows a decremental response to repeated nerve stimulation, a sign of neuromuscular junction dysfunction. Affected individuals show a favorable response to acetylcholinesterase (AChE) inhibitors.

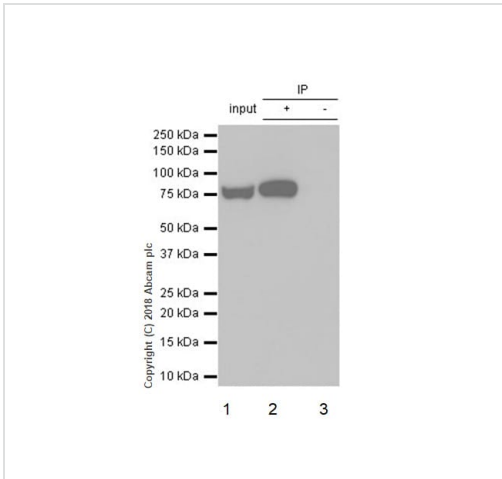
序列相似性 Contains 1 glutamine amidotransferase type-2 domain.
Contains 2 SIS domains.

图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human breast carcinoma tissue sections labeling GFPT1 with Purified ab125069 at 1:1000 dilution (2.3 µg/ml). Heat mediated antigen retrieval was performed using **ab93684** (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GFPT1 antibody [EPR4854] (ab125069)



ab125069 (purified) at 1:100 dilution (2µg) immunoprecipitating GFPT1 in Jurkat whole cell lysate.

Lane 1 (input): Jurkat (Human T cell leukemia T lymphocyte) whole cell lysate 10µg

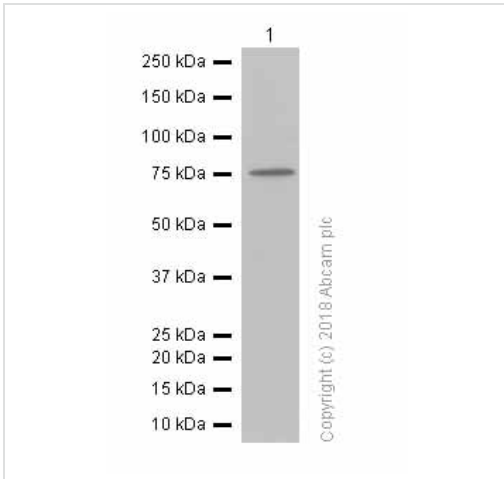
Lane 2 (+): ab125069 & Jurkat whole cell lysate

Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of ab125069 in Jurkat whole cell lysate

For western blotting, VeriBlot for IP Detection Reagent (HRP) (**ab131366**) was used for detection at 1:1000 dilution.

Blocking and diluting buffer: 5% NFDm/TBST.

Immunoprecipitation - Anti-GFPT1 antibody [EPR4854] (ab125069)



Western blot - Anti-GFPT1 antibody [EPR4854]
(ab125069)

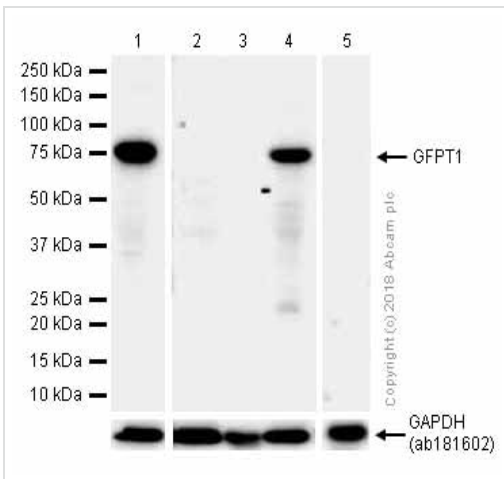
Anti-GFPT1 antibody [EPR4854] (ab125069) at 1/200 dilution
(Purified) + C6 (Rat glial tumor glial cell) whole cell lysates at 15 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 79 kDa

Observed band size: 79 kDa



Western blot - Anti-GFPT1 antibody [EPR4854]
(ab125069)

All lanes : Anti-GFPT1 antibody [EPR4854] (ab125069) at 1/1000 dilution (Purified)

Lane 1 : MCF7 (Human breast adenocarcinoma epithelial cell) whole cell lysates

Lane 2 : Mouse heart lysates

Lane 3 : Mouse cerebral cortex lysates

Lane 4 : MEF (Mouse embryonic fibroblast (immortalized)) whole cell lysates

Lane 5 : Rat heart lysates

Lysates/proteins at 20 µg per lane.

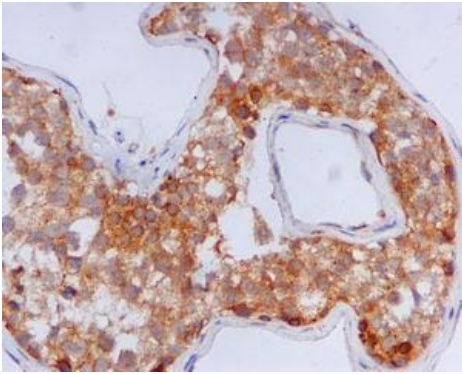
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 79 kDa

Observed band size: 79 kDa

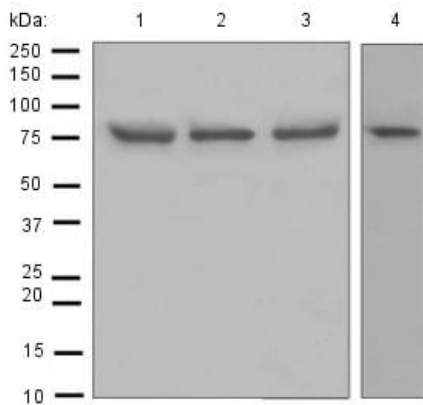
This antibody is not suitable to detect tissue lysate samples.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GFPT1 antibody [EPR4854] (ab125069)

ab125069, at a 1/100 dilution, staining GFPT1 in paraffin-embedded Human testis tissue by immunohistochemistry.

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



Western blot - Anti-GFPT1 antibody [EPR4854] (ab125069)

All lanes : Anti-GFPT1 antibody [EPR4854] (ab125069) at 1/1000 dilution

Lane 1 : 293T cell lysate

Lane 2 : JAR cell lysate

Lane 3 : HeLa cell lysate

Lane 4 : Human placenta lysate

Lysates/proteins at 10 µg per lane.

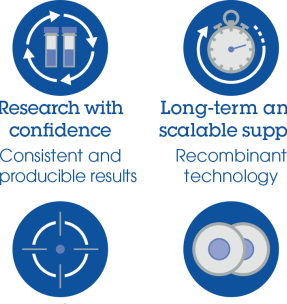
Secondary

All lanes : Goat anti-Rabbit HRP at 1/2000 dilution

Developed using the ECL technique.

Predicted band size: 79 kDa

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results

Long-term and scalable supply
Recombinant technology

Success from the first experiment
Confirmed specificity

Ethical standards compliant
Animal-free production

Anti-GFPT1 antibody [EPR4854] (ab125069)

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