

### Anti-AMF antibody [EPR11663(B)] ab167394

敲除验证
重组
RabMAb

★★★★☆
[1 Abreviews](#)
[1 References](#)
[12 图像](#)

#### 概述

产品名称	Anti-AMF抗体[EPR11663(B)]
描述	兔单克隆抗体[EPR11663(B)] to AMF
宿主	Rabbit
经测试应用	<b>适用于:</b> Flow Cyt (Intra), WB, IHC-P, ICC/IF <b>不适用于:</b> IP
种属反应性	<b>与反应:</b> Human
免疫原	Synthetic peptide corresponding to Human AMF. Database link: <a href="#">P06744</a>
阳性对照	WB: HEK-293T, HepG2, HeLa, HT29, and A549 cell lysates. IHC-P: Human brain, pancreas, skeletal muscle, ovarian carcinoma, prostatic hyperplasia and thyroid carcinoma tissues. ICC/IF: MCF7 and HepG2 cells. Flow Cyt (intra): A549 cells.
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

#### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
存储溶液	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture

	supernatant
纯度	Tissue culture supernatant
克隆	单克隆
克隆编号	EPR11663(B)
同种型	IgG

应用

The Abpromise guarantee      **Abpromise™**承诺保证使用ab167394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。

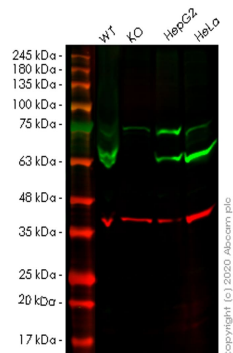
应用	Ab评论	说明
Flow Cyt (Intra)		1/10 - 1/100. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB	★★★★★ (1)	1/1000 - 1/10000. Predicted molecular weight: 63 kDa.
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		1/100 - 1/500.

应用说明      Is unsuitable for IP.

靶标

功能	Besides it's role as a glycolytic enzyme, mammalian GPI can function as a tumor-secreted cytokine and an angiogenic factor (AMF) that stimulates endothelial cell motility. GPI is also a neurotrophic factor (Neuroleukin) for spinal and sensory neurons.
通路	Carbohydrate degradation; glycolysis; D-glyceraldehyde 3-phosphate and glycerone phosphate from D-glucose: step 2/4.
疾病相关	Defects in GPI are the cause of hemolytic anemia non-spherocytic due to glucose phosphate isomerase deficiency (HA-GPID) [MIM:613470]. It is a form of anemia in which there is no abnormal hemoglobin or spherocytosis. It is caused by glucose phosphate isomerase deficiency. Severe GPI deficiency can be associated with hydrops fetalis, immediate neonatal death and neurological impairment.
序列相似性	Belongs to the GPI family.
翻译后修饰	Phosphorylation at Ser-185 by CK2 has been shown to decrease enzymatic activity and may contribute to secretion by a non-classical secretory pathway. ISGylated.
细胞定位	Cytoplasm. Secreted.

图片



Western blot - Anti-AMF antibody [EPR11663(B)]  
(ab167394)

**All lanes :** Anti-AMF antibody [EPR11663(B)] (ab167394) at 1/1000 dilution

**Lane 1 :** Wild-type HEK293T cell lysate

**Lane 2 :** GPI knockout HEK293T cell lysate

**Lane 3 :** HepG2 cell lysate

**Lane 4 :** HeLa cell lysate

Lysates/proteins at 20 µg per lane.

### Secondary

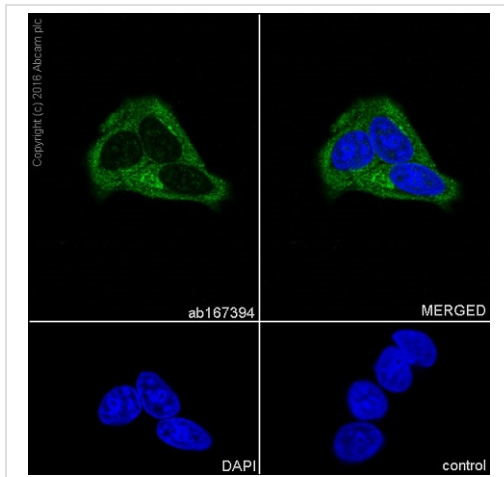
**All lanes :** Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) at 1/10000 dilution

**Predicted band size:** 63 kDa

**Observed band size:** 63 kDa

**Lanes 1-4:** Merged signal (red and green). Green - ab167394 observed at 63 kDa. Red - loading control **ab8245** observed at 36 kDa.

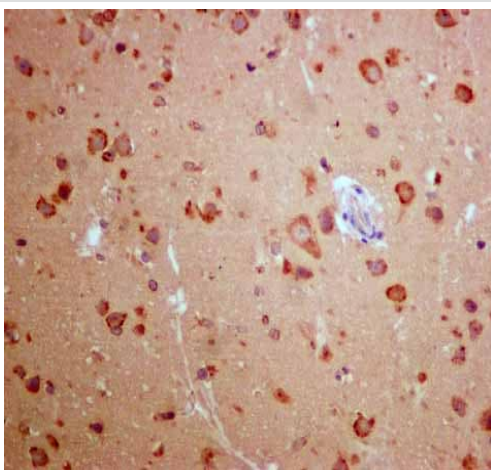
ab167394 Anti-AMF antibody [EPR11663(B)] was shown to specifically react with AMF in wild-type HEK293T cells. Loss of signal was observed when knockout cell line **ab266834** (knockout cell lysate **ab257458**) was used. Wild-type and AMF knockout samples were subjected to SDS-PAGE. ab167394 and Anti-GAPDH antibody [6C5] - Loading Control (**ab8245**) were incubated at room temperature for 2.5 hours at 1 in 1000 dilution and 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed (**ab216776**) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



Immunocytochemistry/ Immunofluorescence - Anti-AMF antibody [EPR11663(B)] (ab167394)

Immunocytochemistry/Immunofluorescence analysis of MCF-7 (human breast carcinoma) labelling AMF with purified ab167394 at 1/500. Cells were fixed with 100% methanol. An Alexa Fluor® 488-conjugated goat anti-rabbit IgG (1/1000) was used as the secondary antibody (Ab150077). Nuclei counterstained with DAPI (blue).

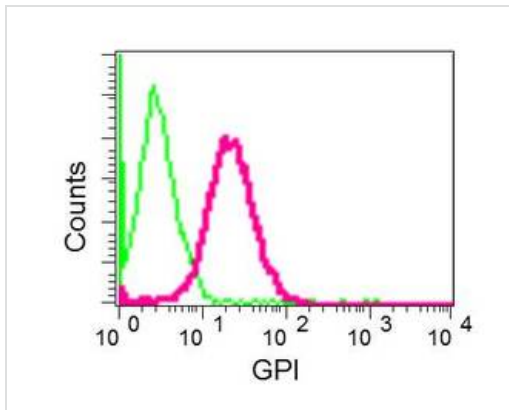
Control: PBS only



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-AMF antibody [EPR11663(B)] (ab167394)

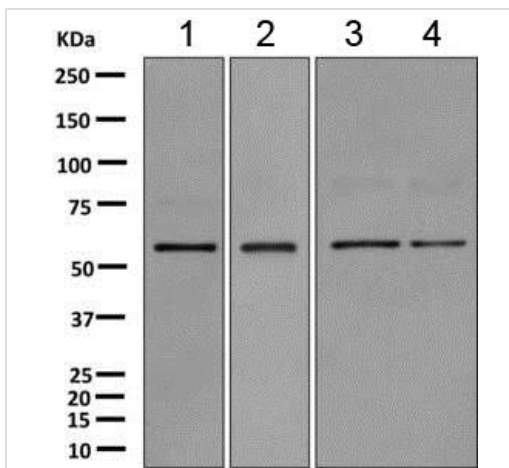
ab167394 showing +ve staining in Human normal brain.

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



Intracellular flow cytometric analysis of permeabilized A549 cells, labeling AFM with ab167394 at 1/10 dilution.

Flow Cytometry (Intracellular) - Anti-AMF antibody [EPR11663(B)] (ab167394)



**All lanes** : Anti-AMF antibody [EPR11663(B)] (ab167394) at 1/1000 dilution

**Lane 1** : HepG2 cell lysate

**Lane 2** : HeLa cell lysate

**Lane 3** : HT29 cell lysate

**Lane 4** : A549 cell lysate

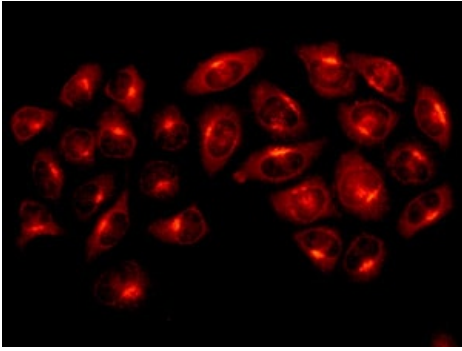
Lysates/proteins at 10 µg per lane.

#### Secondary

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

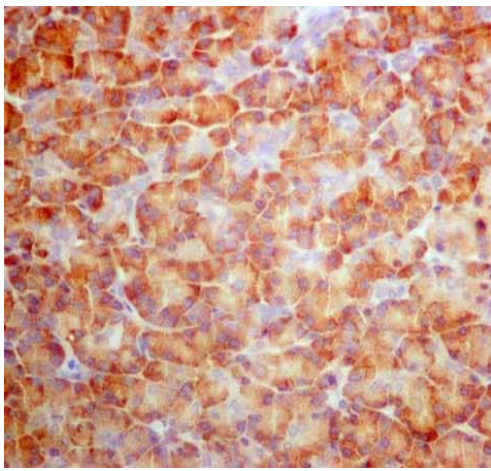
**Predicted band size:** 63 kDa

Western blot - Anti-AMF antibody [EPR11663(B)] (ab167394)



Immunocytochemistry/ Immunofluorescence - Anti-AMF antibody [EPR11663(B)] (ab167394)

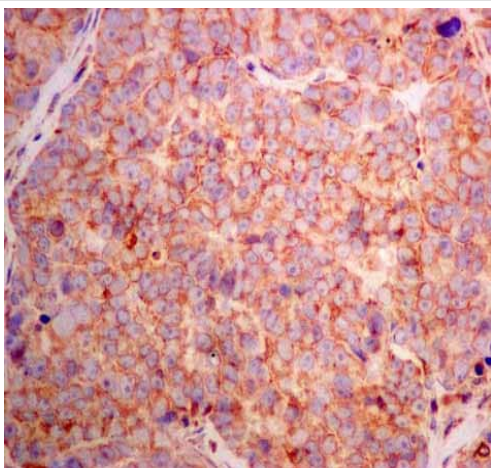
Immunofluorescent analysis of HepG2 cells labeling AMF with ab167394 at 1/100 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-AMF antibody [EPR11663(B)] (ab167394)

ab167394 showing +ve staining in Human normal pancreas.

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

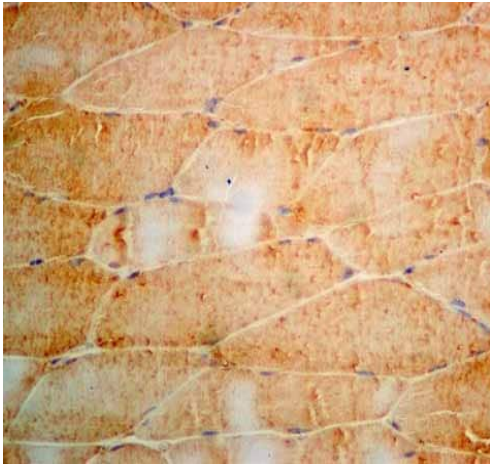


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-AMF antibody [EPR11663(B)] (ab167394)

ab167394 showing +ve staining in Human ovarian carcinoma.

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

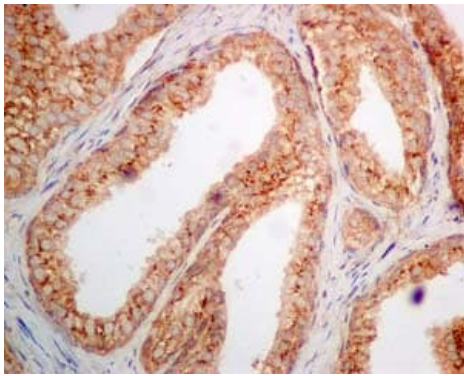




Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-AMF antibody [EPR11663(B)] (ab167394)

ab167394 showing +ve staining in Human skeletal muscle.

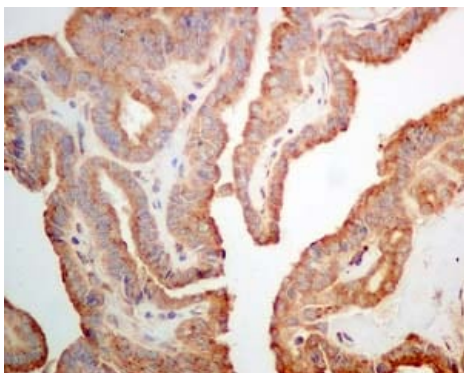
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-AMF antibody [EPR11663(B)] (ab167394)

Immunohistochemical analysis of paraffin-embedded Human prostatic hyperplasia tissue, labeling AFM with ab167394 at 1/100 dilution.

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



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-AMF antibody [EPR11663(B)] (ab167394)

Immunohistochemical analysis of paraffin-embedded Human thyroid carcinoma tissue labeling AFM with ab167394 at 1/100 dilution.

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

### 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-AMF antibody [EPR11663(B)] (ab167394)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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