


### Anti-DDAH1 antibody [EPR13922] ab180599

敲除验证
重组
RabMAb

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

#### 概述

产品名称	Anti-DDAH1抗体[EPR13922]
描述	兔单克隆抗体[EPR13922] to DDAH1
宿主	Rabbit
经测试应用	适用于: Flow Cyt (Intra), WB, IHC-P, ICC/IF, IP
种属反应性	与反应: Human 预测可用于: Mouse, Rat, Cow 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: HuVEC, A431 and HepG2 Human fetal brain, liver, kidney or 293 lysate, Human ovarian carcinoma tissue, 293 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>

#### 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	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant</p>
纯度	Protein A purified
克隆	单克隆

克隆编号EPR13922

同种型IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab180599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)		1/20.
WB		1/10000 - 1/50000. Detects a band of approximately 37 kDa.
IHC-P	★★★★★ (1)	1/50. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. For antigen retrieval heat up to 98 °C, below boiling, and then let cool for 10-20 min.
ICC/IF		1/100.
IP		1/40.

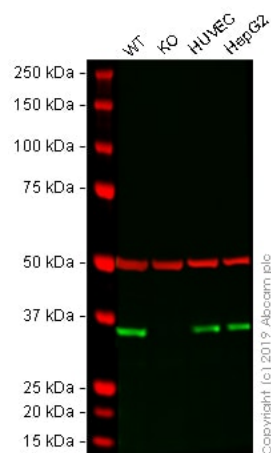
靶标

功能Hydrolyzes N(G),N(G)-dimethyl-L-arginine (ADMA) and N(G)-monomethyl-L-arginine (MMA) which act as inhibitors of NOS. Has therefore a role in the regulation of nitric oxide generation.

组织特异性Detected in brain, liver, kidney and pancreas, and at low levels in skeletal muscle.

序列相似性Belongs to the DDAH family.

图片



Western blot - Anti-DDAH1 antibody [EPR13922] (ab180599)

**All lanes :** Anti-DDAH1 antibody [EPR13922] (ab180599) at 1/10000 dilution

**Lane 1 :** Wild-type A431 cell lysate

**Lane 2 :** DDAH1 knockout A431 cell lysate

**Lane 3 :** HUVEC (Human umbilical vein endothelial cell line) whole cell lysate

**Lane 4 :** HepG2 (Human liver hepatocellular carcinoma cell line) whole cell lysate

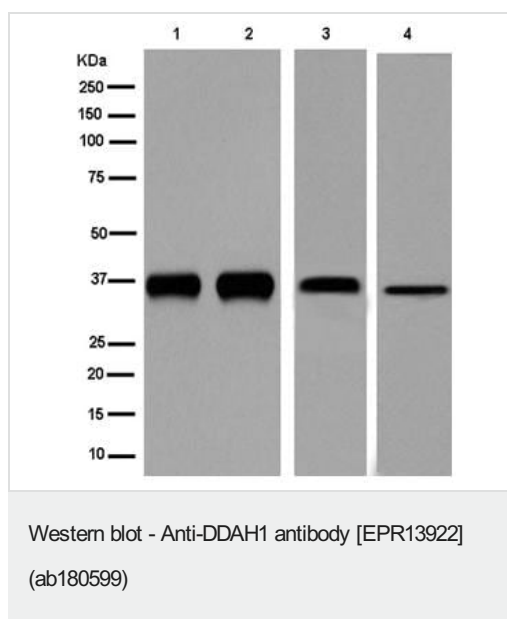
Lysates/proteins at 40 µg per lane.

Performed under reducing conditions.

**Observed band size:** 37 kDa

**Lanes 1 -4:** Merged signal (red and green). Green - ab180599 observed at 37 kDa. Red - loading control, **ab7291** (Mouse anti-Alpha Tubulin [DM1A]) observed at 55kDa.

ab180599 was shown to react with DDAH1 in A431 wild-type cells in Western blot. Loss of signal was observed when DDAH1 knockout sample was used. A431 wild-type and DDAH1 knockout cell lysates were subjected to SDS-PAGE. Membranes were blocked in 3% Milk in TBS-T (0.1% Tween®) before incubation with ab180599 and **ab7291** (Mouse anti-Alpha Tubulin [DM1A]) overnight at 4°C at a 1 in 10000 dilution and a 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed (**ab216776**) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



**All lanes :** Anti-DDAH1 antibody [EPR13922] (ab180599) at 1/20000 dilution

**Lane 1 :** Human fetal brain lysate at 20 µg

**Lane 2 :** Human fetal liver lysate at 20 µg

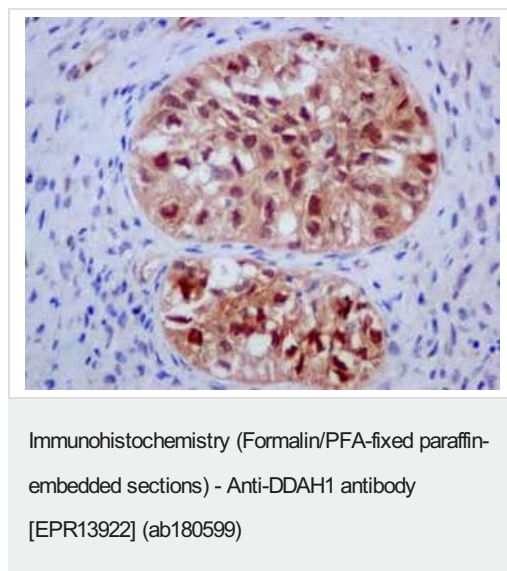
**Lane 3 :** Human fetal kidney lysate at 20 µg

**Lane 4 :** 293 lysate at 10 µg

#### Secondary

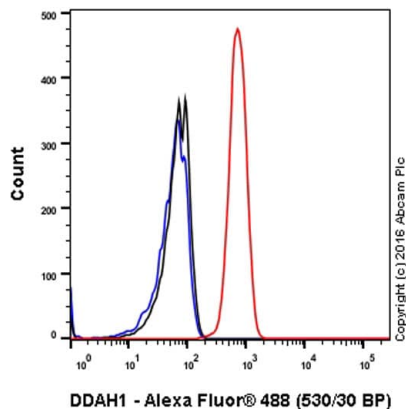
**All lanes :** Goat Anti-Rabbit IgG (H+L) Peroxidase conjugated at 1/1000 dilution

**Observed band size:** 37 kDa



Immunohistochemical analysis of paraffin embedded Human ovarian carcinoma tissue labeling DDAH1 with ab180599 at a 1/50 dilution. Prediluted HRP Polymer for Rabbit IgG secondary used. Counterstained with Hematoxylin.

Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.

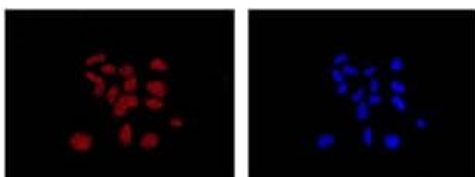


Flow Cytometry (Intracellular) - Anti-DDAH1 antibody  
[EPR13922] (ab180599)

ab180599 staining DDAH1 in the human cell line 293 (human embryonic kidney) by intracellular flow cytometry. Cells were fixed with 4% paraformaldehyde, permeabilised with 90% methanol and the sample was incubated with the primary antibody at a dilution of 1/20. A goat anti rabbit IgG (Alexa Fluor® 488) at a dilution of 1/2000 was used as the secondary antibody.

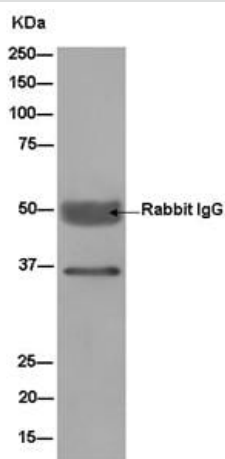
Isotype control: Rabbit monoclonal IgG (Black)

Unlabelled control: Cell without incubation with primary antibody and secondary antibody (Blue)



Immunocytochemistry/ Immunofluorescence - Anti-DDAH1 antibody [EPR13922] (ab180599)

Immunofluorescence analysis of 293 cells (fixative 4% paraformaldehyde) labeling DDAH1 with ab180599 at a 1/100 dilution (left image), and counterstained with Dapi (right image). Goat anti rabbit IgG (Dylight 555) secondary used at a 1/200 dilution.



Immunoprecipitation - Anti-DDAH1 antibody  
[EPR13922] (ab180599)

Immunoprecipitation analysis of Human fetal kidney lysate labeling DDAH1 with ab180599 at a 1/40 dilution. Goat Anti-Rabbit IgG (H+L) Peroxidase conjugated secondary used at a 1/1000 dilution.

### 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-DDAH1 antibody [EPR13922] (ab180599)

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

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