

Anti-Mitochondrial Ferritin antibody [EPR1797] ab124889

重组 RabMAb

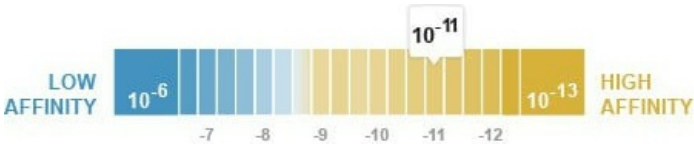
★★★★★ 1 Abreviews 4 References 6 图像

概述

产品名称	Anti-Mitochondrial Ferritin抗体[EPR1797]
描述	兔单克隆抗体[EPR1797] to Mitochondrial Ferritin
宿主	Rabbit
经测试应用	适用于: WB, IHC-P 不适用于: IP
种属反应性	与反应: Human
免疫原	Synthetic peptide within Human Mitochondrial Ferritin aa 200-300 (C terminal). The exact sequence is proprietary. Database link: Q8N4E7
阳性对照	Human Testis lysate.
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <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 <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</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 -20°C. Stable for 12 months at -20°C.
解离常数 (K _D)	K _D = 4.40 x 10 ⁻¹¹ M



[Learn more about Kp](#)

存储溶液	pH: 7.2 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR1797
同种型	IgG

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用 ab124889 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。

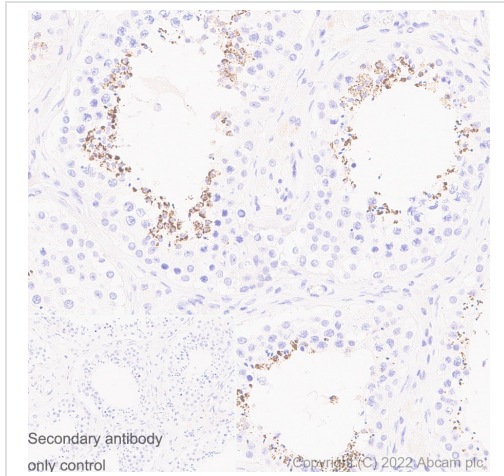
应用	Ab 评论	说明
WB	★★★★★ (1)	1/1000 - 1/10000. Detects a band of approximately 22 kDa (predicted molecular weight: 28 kDa).
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

应用说明 Is unsuitable for IP.

靶标

功能	Stores iron in a soluble, non-toxic, readily available form. Important for iron homeostasis. Has ferroxidase activity. Iron is taken up in the ferrous form and deposited as ferric hydroxides after oxidation.
组织特异性	Detected in testis and erythroleukemia. Expression is very low or not detectable in brain, colon, heart, kidney, liver, lung, muscle, placental, spleen and small intestine.
序列相似性	Belongs to the ferritin family. Contains 1 ferritin-like diiron domain.
细胞定位	Mitochondrion.

图片



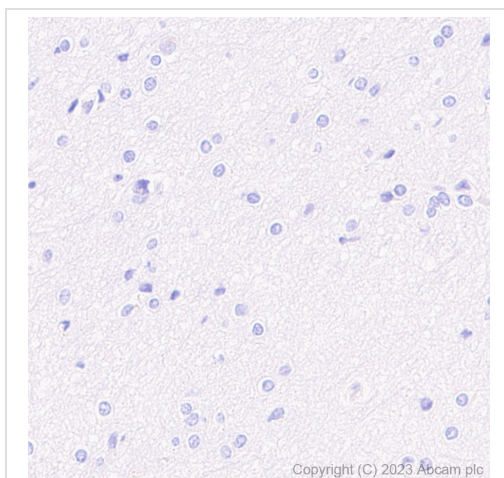
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Mitochondrial Ferritin antibody [EPR1797] (ab124889)

Immunohistochemical analysis of paraffin-embedded Human testis tissue labeling Mitochondrial Ferritin with ab124889 at 1/5000 dilution (0.03 µg/ml) followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection) was used. The section was counterstained with Hematoxylin. Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins.

Positive staining on the human testis. The section was incubated with ab124889 for 30 mins at room temperature.

The immunostaining was performed on a Leica Biosystems BOND® RX instrument.



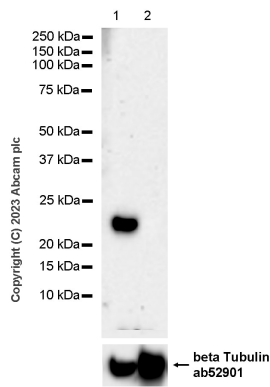
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Mitochondrial Ferritin antibody [EPR1797] (ab124889)

Immunohistochemical analysis of paraffin-embedded Human cerebrum tissue labeling Mitochondrial Ferritin with ab124889 at 1/5000 dilution (0.03 µg/ml) followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection) was used. The section was counterstained with Hematoxylin. Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins.

Negative control: no staining on the human cerebrum. The section was incubated with ab124889 for 30 mins at room temperature.

The immunostaining was performed on a Leica Biosystems BOND® RX instrument.



Western blot - Anti-Mitochondrial Ferritin antibody
[EPR1797] (ab124889)

All lanes : Anti-Mitochondrial Ferritin antibody [EPR1797]
(ab124889) at 1/1000 dilution

Lane 1 : Human testis tissue lysate

Lane 2 : Human cerebellum tissue lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity
with human IgG at 1/2000 dilution

Predicted band size: 28 kDa

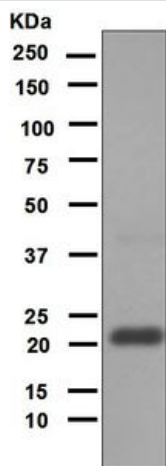
Observed band size: 21 kDa

Exposure time: 180 seconds

Blocking and diluting buffer and concentration: 5% NFDM/TBST.

Negative control: human cerebellum.

In Western blot, anti-Anti-beta Tubulin antibody (**ab52901**) staining
at 1/20000 dilution.



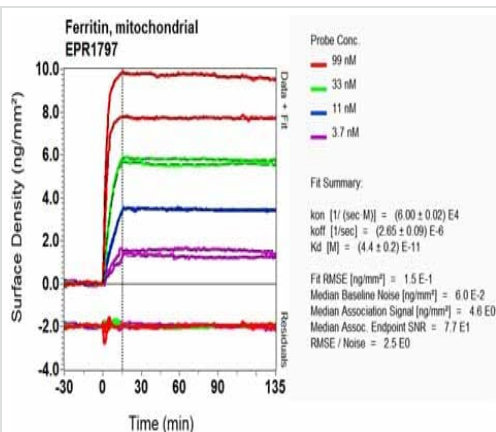
Western blot - Anti-Mitochondrial Ferritin antibody
[EPR1797] (ab124889)

Anti-Mitochondrial Ferritin antibody [EPR1797] (ab124889) at
1/1000 dilution + Human Testis lysate at 10 µg

Secondary

Goat anti-Rabbit HRP at 1/2000 dilution

Predicted band size: 28 kDa



O1-RD Scanning - Anti-Mitochondrial Ferritin
antibody [EPR1797] (ab124889)

Equilibrium disassociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

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

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(ab124889)

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