

Anti-Mitochondrial Ferritin antibody [EPR1797] ab124889

リコンビナント RabMAb[®]

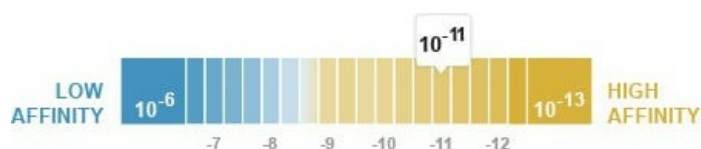
★★★★☆ **1 Abreviews** **4 References** 画像数 6

製品の概要

製品名	Anti-Mitochondrial Ferritin antibody [EPR1797]
製品の詳細	Rabbit monoclonal [EPR1797] to Mitochondrial Ferritin
由来種	Rabbit
アプリケーション	適用あり: WB, IHC-P 適用なし: IP
種交差性	交差種: Human
免疫原	Synthetic peptide within Human Mitochondrial Ferritin aa 200-300 (C terminal). The exact sequence is proprietary. Database link: Q8N4E7
ポジティブ・コントロール	Human Testis lysate.
特記事項	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 . Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
解離定数 (K _D 値)	K _D = 4.40 x 10 ⁻¹¹ M



[Learn more about K_D](#)

バッファー	pH: 7.2 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR1797
アイソタイプ	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ab124889の使用に適用されず](#)
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検討ください。

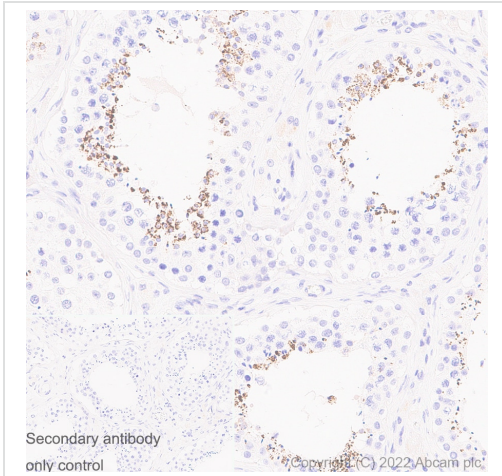
アプリケーション	Abreviews	特記事項
WB	★★★★★ (1)	1/1000 - 1/10000. Detects a band of approximately 22 kDa (predicted molecular weight: 28 kDa).
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

追加情報 Is unsuitable for IP.

ターゲット情報

機能	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.
組織特異性	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.
配列類似性	Belongs to the ferritin family. Contains 1 ferritin-like diiron domain.
細胞内局在	Mitochondrion.

画像



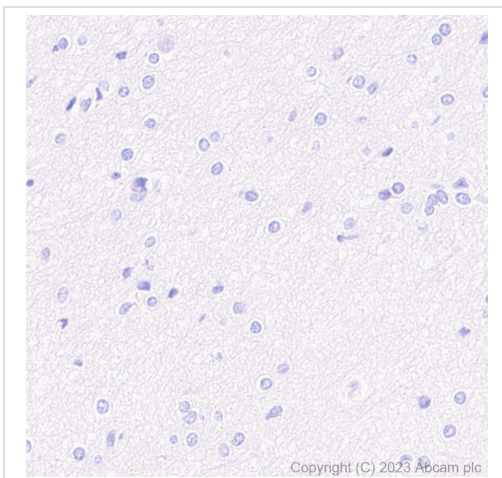
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Mitochondrial Ferritin antibody [EPR1797] (ab124889)

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.



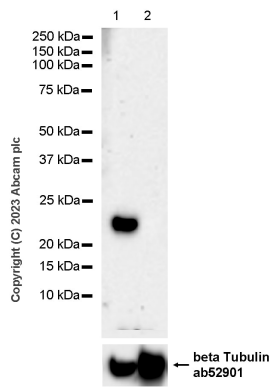
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Mitochondrial Ferritin antibody [EPR1797] (ab124889)

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

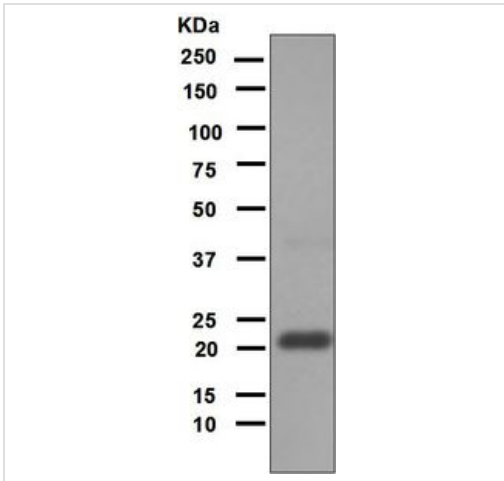
Observed band size: 21 kDa

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.



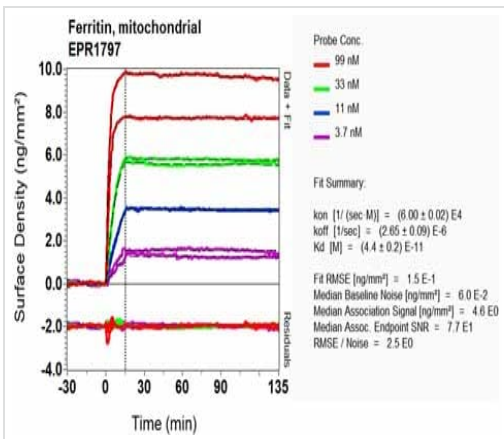
Western blot - Anti-Mitochondrial Ferritin antibody [EPR1797] (ab124889)

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

Secondary

Goat anti-Rabbit HRP at 1/2000 dilution

Predicted band size: 28 kDa



OIR-D Scanning - Anti-Mitochondrial Ferritin antibody [EPR1797] (ab124889)

Equilibrium dissociation 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

Anti-Mitochondrial Ferritin antibody [EPR1797] (ab124889)

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.co.jp/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors