

# Anti-Mitochondrial Ferritin antibody [EPR1797] - BSA and Azide free ab248043

リコンビナント **RabMAb**

画像数 6

### 製品の概要

製品名	Anti-Mitochondrial Ferritin antibody [EPR1797] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR1797] to Mitochondrial Ferritin - BSA and Azide free
由来種	Rabbit
アプリケーション	<b>適用あり:</b> IHC-P, WB <b>適用なし:</b> IP
種交差性	<b>交差種:</b> Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: Human testis tissue lysate. IHC-P: Human testis tissue.
特記事項	<p>ab248043 is the carrier-free version of <a href="#">ab124889</a>.</p> <p>Our <b>carrier-free</b> antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> is a trademark of Fluidigm Canada Inc.</p> <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>

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

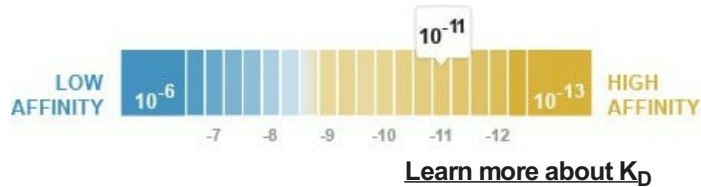
Liquid

### 保存方法

Shipped at 4°C. Store at +4°C. Do Not Freeze.

### 解離定数 ( $K_D$ 値)

$K_D = 4.40 \times 10^{-11}$  M



### バッファー

pH: 7.2

Constituent: PBS

### キャリア・フリー

はい

### 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ab248043の使用に適用されます**

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
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.
WB		Use at an assay dependent concentration. Detects a band of approximately 22 kDa (predicted molecular weight: 28 kDa).

### 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.

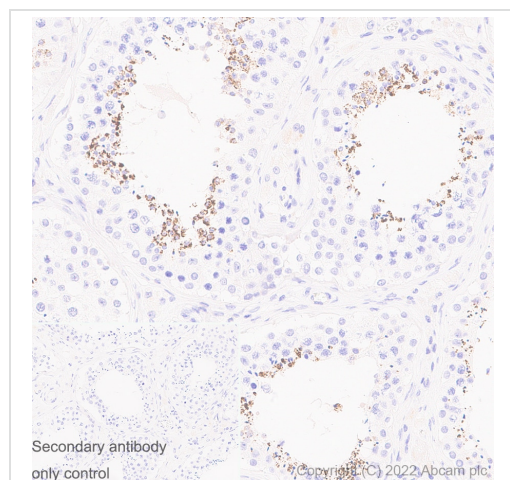
### 組織特異性

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.

## 画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Mitochondrial Ferritin antibody [EPR1797] - BSA and Azide free (ab248043)

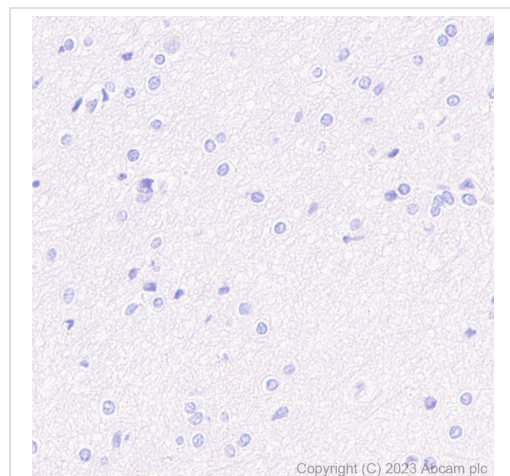
This data was developed using [ab124889](#), the same antibody clone in a different buffer formulation.

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] - BSA and Azide free (ab248043)

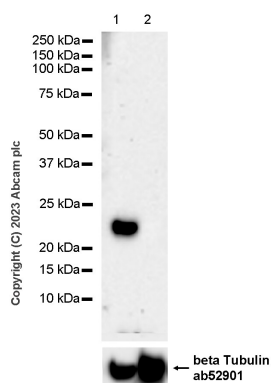
This data was developed using [ab124889](#), the same antibody clone in a different buffer formulation.

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] - BSA and Azide free (ab248043)

**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

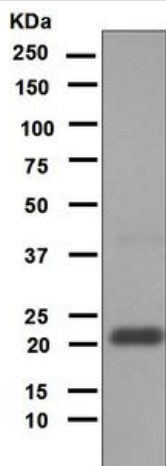
**Exposure time:** 180 seconds

This data was developed using [ab124889](#), the same antibody  
clone in a different buffer formulation.

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] - BSA and Azide free (ab248043)

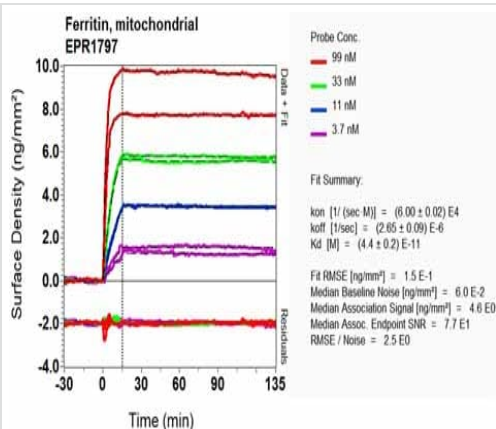
Anti-Mitochondrial Ferritin antibody [EPR1797] ([ab124889](#)) at 1/1000 dilution + Human Testis lysate at 10 µg

### Secondary

Goat anti-Rabbit HRP at 1/2000 dilution

**Predicted band size:** 28 kDa

This data was developed using [ab124889](#), the same antibody clone in a different buffer formulation.



OIR-D Scanning - Anti-Mitochondrial Ferritin antibody [EPR1797] - BSA and Azide free (ab248043)

This data was developed using [ab124889](#), the same antibody clone in a different buffer formulation. 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

Anti-Mitochondrial Ferritin antibody [EPR1797] - BSA and Azide free (ab248043)

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

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