


# Anti-ATP5A antibody ab188107

**3 References** [画像数 2](#)

### 製品の概要

製品名	Anti-ATP5A antibody
製品の詳細	Goat polyclonal to ATP5A
由来種	Goat
特異性	ab188107 is expected to recognize all reported isoforms (NP_004037.1; NP_001244263.1; NP_001001935.1).
アプリケーション	<b>適用あり:</b> WB
種交差性	<b>交差種:</b> Mouse, Rat, Human, Pig <b>交差が予測される動物種:</b> Cow, Dog, Xenopus laevis, Chimpanzee, Orangutan 
免疫原	Synthetic peptide corresponding to Human ATP5A aa 50-150 (internal sequence) (Cysteine residue). (NP_004037.1). Database link: <a href="#">P25705</a> <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
ポジティブ・コントロール	WB: Human, mouse fetal, mouse, pig and rat heart lysates.
特記事項	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### 製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 99% Tris buffer, 0.5% BSA
精製度	Immunogen affinity purified
特記事項 (精製)	ab188107 was purified from goat serum by ammonium sulphate precipitation followed by antigen

affinity chromatography using the immunizing peptide.

ポリ/モノ

ポリクローナル

アイソタイプ

IgG

## アプリケーション

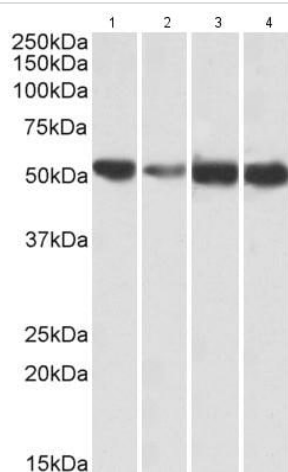
**The Abpromise guarantee** **Abpromise保証は、次のテスト済みアプリケーションにおけるab188107の使用に適用されず**  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		Use a concentration of 0.01 - 0.03 µg/ml. Detects a band of approximately 52 kDa (predicted molecular weight: 60, 54 kDa). 1 hour primary incubation is recommended for this product.

## ターゲット情報

機能	Mitochondrial membrane ATP synthase (F(1)F(0) ATP synthase or Complex V) produces ATP from ADP in the presence of a proton gradient across the membrane which is generated by electron transport complexes of the respiratory chain. F-type ATPases consist of two structural domains, F(1) - containing the extramembraneous catalytic core, and F(0) - containing the membrane proton channel, linked together by a central stalk and a peripheral stalk. During catalysis, ATP synthesis in the catalytic domain of F(1) is coupled via a rotary mechanism of the central stalk subunits to proton translocation. Subunits alpha and beta form the catalytic core in F(1). Rotation of the central stalk against the surrounding alpha(3)beta(3) subunits leads to hydrolysis of ATP in three separate catalytic sites on the beta subunits. Subunit alpha does not bear the catalytic high-affinity ATP-binding sites.
組織特異性	Fetal lung, heart, liver, gut and kidney. Expressed at higher levels in the fetal brain, retina and spinal cord.
配列類似性	Belongs to the ATPase alpha/beta chains family.
翻訳後修飾	The N-terminus is blocked.
細胞内局在	Mitochondrion inner membrane. Peripheral membrane protein.

## 画像



Western blot - Anti-ATP5A antibody (ab188107)

**All lanes :** Anti-ATP5A antibody (ab188107) at 0.01 µg/ml

**Lane 1 :** Human heart lysate (in RIPA buffer)

**Lane 2 :** Fetal mouse heart lysate (in RIPA buffer)

**Lane 3 :** Adult mouse heart lysate (in RIPA buffer)

**Lane 4 :** Adult rat heart lysate (in RIPA buffer)

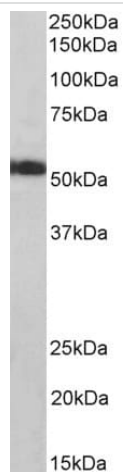
Lysates/proteins at 35 µg per lane.

Developed using the ECL technique.

**Predicted band size:** 60, 54 kDa

**Observed band size:** 52 kDa

Primary incubation was 1 hour.



Western blot - Anti-ATP5A antibody (ab188107)

Anti-ATP5A antibody (ab188107) at 0.01 µg/ml + Pig heart lysate (in RIPA buffer) at 35 µg

Developed using the ECL technique.

**Predicted band size:** 60, 54 kDa

**Observed band size:** 55 kDa

Primary incubation was 1 hour.

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

## **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