


### Anti-Liver Arginase antibody [EPR6671(B)] ab124917

リコンビナント **RabMAb**

★★★★★ **1 Abreviews** **23 References** 画像数 4

#### 製品の概要

製品名	Anti-Liver Arginase antibody [EPR6671(B)]
製品の詳細	Rabbit monoclonal [EPR6671(B)] to Liver Arginase
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB <b>適用なし:</b> ICC/IF
種交差性	<b>交差種:</b> Mouse, Human <b>交差が予測される動物種:</b> Rat 
免疫原	Synthetic peptide within Human Liver Arginase aa 1-100. The exact sequence is proprietary. Database link: <b>P05089</b>
ポジティブ・コントロール	WB: Human fetal liver and mouse liver lysates and Myc-DDK tagged Recombinant Human ARG1 protein.
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <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> For more information <b><a href="#">see here</a></b> . Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <b><a href="#">RabMAb<sup>®</sup> patents</a></b> .

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 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 EPR6671(B)  
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ab124917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確認ください。

アプリケーション	Abreviews	特記事項
WB	★★★★★ (1)	1/1000 - 1/10000. Predicted molecular weight: 35 kDa.

**追加情報**      Is unsuitable for ICC/IF.

## ターゲット情報

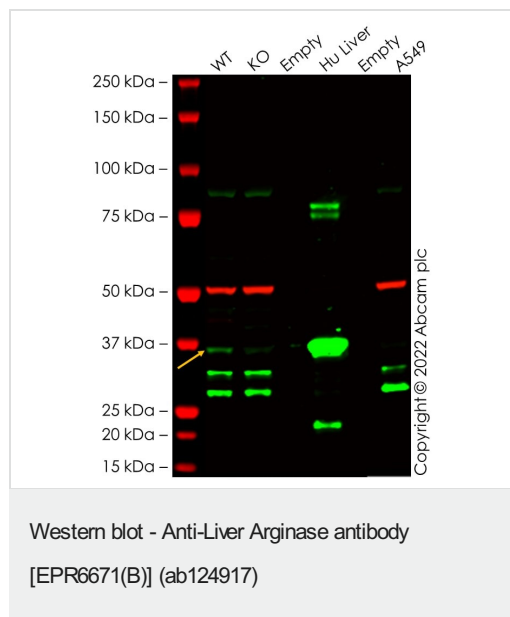
**パスウェイ**      Nitrogen metabolism; urea cycle; L-ornithine and urea from L-arginine: step 1/1.

**関連疾患**      Defects in ARG1 are the cause of argininemia (ARGIN) [MIM:207800]; also known as hyperargininemia. Argininemia is a rare autosomal recessive disorder of the urea cycle. Arginine is elevated in the blood and cerebrospinal fluid, and periodic hyperammonemia occurs. Clinical manifestations include developmental delay, seizures, mental retardation, hypotonia, ataxia, progressive spastic quadriplegia.

**配列類似性**      Belongs to the arginase family.

**細胞内局在**      Cytoplasm.

## 画像



**All lanes :** Anti-Liver Arginase antibody [EPR6671(B)] (ab124917)  
at 1/1000 dilution

**Lane 1 :** Wild-type HepG2 cell lysate at 20 µg

**Lane 2 :** arg1 knockout HepG2 cell lysate at 20 µg

**Lane 4 :** Human Liver cell lysate at 5 µg

**Lane 6 :** A549 cell lysate at 20 µg

Performed under reducing conditions.

**Predicted band size:** 35 kDa

**Observed band size:** 36 kDa

False colour image of Western blot: Anti-Liver Arginase antibody  
[EPR6671(B)] staining at 1/1000 dilution, shown in green; Mouse

anti-Alpha Tubulin [DM1A] ([ab7291](#)) loading control staining at 1/20000 dilution, shown in red. In Western blot, ab124917 was shown to bind specifically to Liver Arginase. A band was observed at 36 kDa in wild-type HepG2 cell lysates with no signal observed at this size in arg1 knockout cell line [ab281603](#) (knockout cell lysate [ab282955](#)). Faint band remaining in KO sample at same molecular weight is likely to be an isoform of arg1. To generate this image, wild-type and arg1 knockout HepG2 cell lysates were analysed. First, samples were run on an SDS-PAGE gel then transferred onto a nitrocellulose membrane. Membranes were blocked in 5 % milk in TBS-0.1 % Tween® 20 (TBS-T) before incubation with primary antibodies overnight at 4 °C. Blots were washed four times in TBS-T, incubated with secondary antibodies for 1 h at room temperature, washed again four times then imaged. Secondary antibodies used were Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed ([ab216773](#)) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed ([ab216776](#)) at 1/20000 dilution.



Western blot - Anti-Liver Arginase antibody  
[EPR6671(B)] ([ab124917](#))

**All lanes :** Anti-Liver Arginase antibody [EPR6671(B)] ([ab124917](#)) at 1/1000 dilution

**Lane 1 :** Myc-DDK tagged Recombinant Human ARG1 protein (full-length, aa 1 to 322) (34.6 KDa)

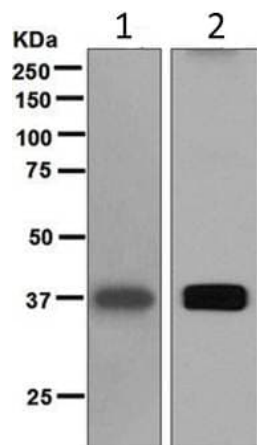
**Lane 2 :** Myc-DDK tagged Recombinant Human ARG2 protein (full-length, aa 1 to 354) (36 KDa)

### Secondary

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution (Goat Anti-Rabbit IgG,(H+L), Peroxidase conjugated)

**Predicted band size:** 35 kDa

**Observed band size:** 40 kDa



Western blot - Anti-Liver Arginase antibody  
[EPR6671(B)] (ab124917)

**All lanes :** Anti-Liver Arginase antibody [EPR6671(B)] (ab124917)  
at 1/1000 dilution

**Lane 1 :** Human fetal liver lysate

**Lane 2 :** Mouse liver lysate

Lysates/proteins at 10 µg per lane.

**Secondary**

**All lanes :** HRP labelled goat anti-rabbit at 1/2000 dilution

**Predicted band size:** 35 kDa

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-Liver Arginase antibody [EPR6671(B)]  
(ab124917)

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