

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

重组 RabMAb

★★★★★ [1 Abreviews](#) [23 References](#) [4 图像](#)

概述

产品名称	Anti-Liver Arginase抗体[EPR6671(B)]
描述	兔单克隆抗体[EPR6671(B)] to Liver Arginase
宿主	Rabbit
经测试应用	<b>适用于:</b> WB <b>不适用于:</b> ICC/IF
种属反应性	<b>与反应:</b> Mouse, Human <b>预测可用于:</b> Rat 
免疫原	Synthetic peptide within Human Liver Arginase aa 1-100. The exact sequence is proprietary. Database link: <a href="#">P05089</a>
阳性对照	WB: Human fetal liver and mouse liver lysates and Myc-DDK tagged Recombinant Human ARG1 protein.
常规说明	<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>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 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EPR6671(B)

同种型IgG

应用

The Abpromise guarantee      **Abpromise™**承诺保证使用ab124917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. Predicted molecular weight: 35 kDa.

应用说明      Is unsuitable for ICC/IF.

靶标

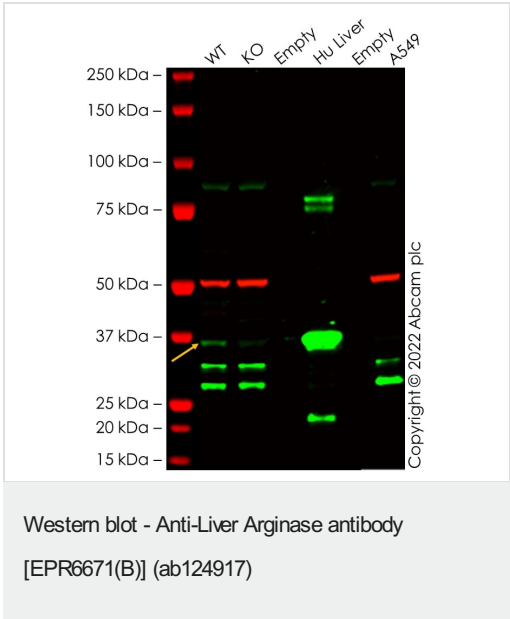
通路      Nitrogen metabolism; urea cycle; L-ornithine and urea from L-arginine: step 1/1.

疾病相关      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.

序列相似性      Belongs to the arginase family.

细胞定位      Cytoplasm.

图片



**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

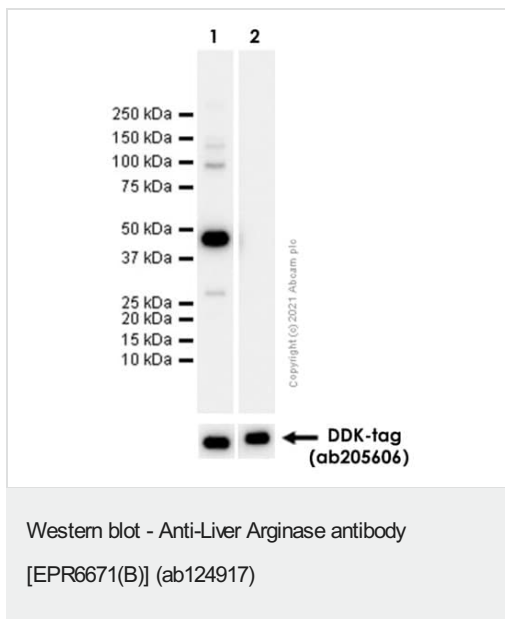
Performed under reducing conditions.

**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.



**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)

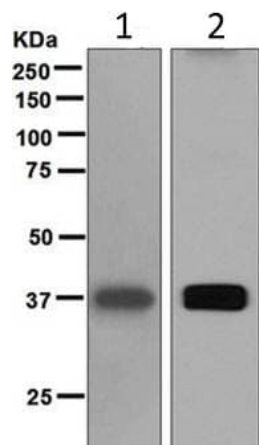
**Lane 2 :** Myc-DDK tagged Recombinant Human ARG2 protein (full-length, aa 1 to 354) (36 KDa)

### 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)

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

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