


Anti-Liver Arginase antibody [EPR6671(B)] - BSA and Azide free ab248058

リコンビナント **RabMAb**

画像数 3

製品の概要

製品名	Anti-Liver Arginase antibody [EPR6671(B)] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR6671(B)] to Liver Arginase - BSA and Azide free
由来種	Rabbit
アプリケーション	適用あり: WB 適用なし: ICC/IF
種交差性	交差種: Mouse, Human 交差が予測される動物種: Rat 
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: HepG2 and A549 cell lysates. Human liver, Human fetal liver, and Mouse liver lysate tissue lysate.
特記事項	<p>ab248058 is the carrier-free version of ab124917.</p> <p>Our carrier-free 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 conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <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[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] 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"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p>

Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb[®] patents](#).

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.
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	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ab248058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。

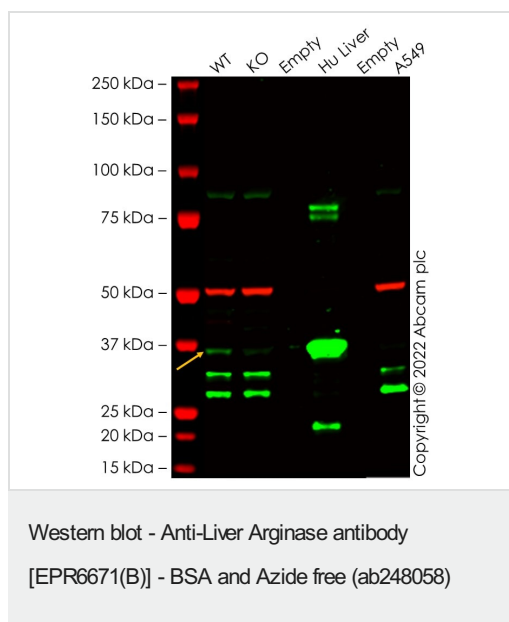
アプリケーション	Abreviews	特記事項
WB		Use at an assay dependent concentration. Predicted molecular weight: 35 kDa.

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

Lanes 3 & 5 : Empty at 0 µg

Lane 4 : Human Liver cell lysate at 5 µg

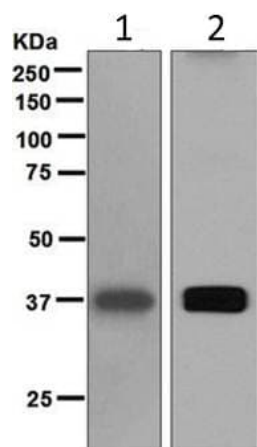
Lane 6 : A549 cell lysate at 20 µg

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)] - BSA and Azide free (ab248058)

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

This data was developed using [ab124917](#), the same antibody clone in a different buffer formulation.

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)] - BSA
and Azide free (ab248058)

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

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