abcam

Product datasheet

Anti-liver Arginase antibody ab91279

★★★★☆ **3 Abreviews**   **73 References**   2 图像

概述

产品名称	Anti-liver Arginase抗体
描述	兔多克隆抗体to liver Arginase
宿主	Rabbit
经测试应用	**适用于:** WB, IP
种属反应性	**与反应:** Mouse, Rat
	预测可用于: Pig ⚠
免疫原	Synthetic peptide corresponding to Mouse Liver Arginase aa 300 to the C-terminus (C terminal) conjugated to keyhole limpet haemocyanin. (Peptide available as **ab100829**)
阳性对照	WB: Rat & mouse liver tissue lysate. IP: Mouse liver tissue.
常规说明	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.
	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&As

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.
纯度	Immunogen affinity purified

克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee   <u>Abpromise™承诺保证</u>使用ab91279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		Use a concentration of 1 µg/ml. Detects a band of approximately 37 kDa (predicted molecular weight: 35 kDa).
IP		Use a concentration of 5 µg/ml.

靶标

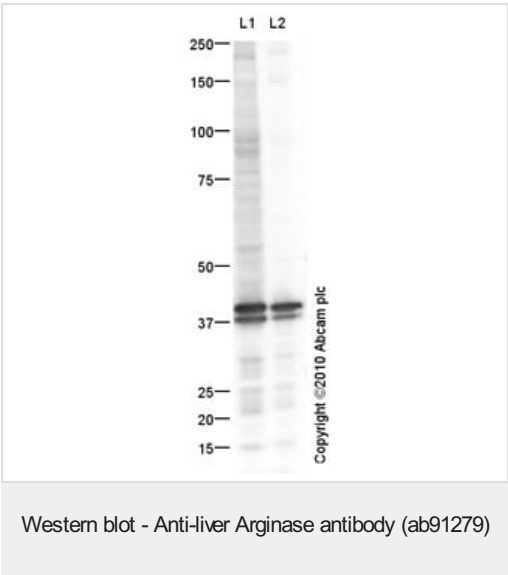|	
通路	Nitrogen metabolism; urea cycle; L-ornithine and urea from L-arginine: step 1/1.
疾病相关	Defects in ARG1 are the cause of argininemia (ARGIN) [MIM:207800]; also known as hyperargininemia. Argininemia is a rare autosomal recessive disorder of the urea cycle. Arginine is elevated in the blood and cerebrospinal 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

Western blot - Anti-liver Arginase antibody (ab91279)

All lanes : Anti-liver Arginase antibody (ab91279) at 1 µg/ml

Lane 1 : Liver (Mouse) Tissue Lysate
Lane 2 : Liver (Rat) Tissue Lysate

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (<u>ab97080</u>) at 1/5000 dilution
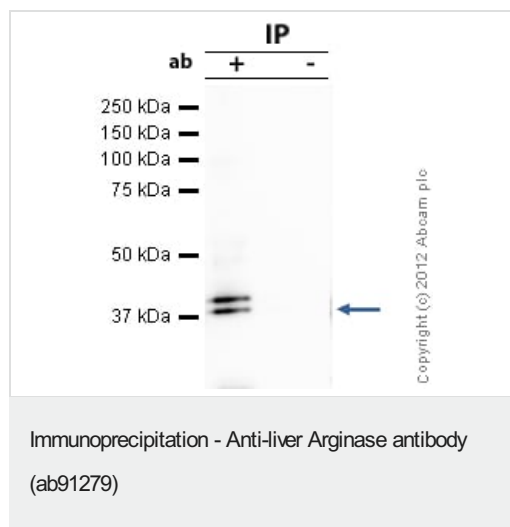
Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 35 kDa

Observed band size: 37,40 kDa

Exposure time: 30 seconds

Immunoprecipitation - Anti-liver Arginase antibody (ab91279)

Liver Arginase was immunoprecipitated using 0.5mg mouse liver tissue lysate, 5µg of Rabbit polyclonal to Liver Arginase and 50µl of protein G magnetic beads (+). No antibody was added to the control (-).

The antibody was incubated under agitation with Protein G beads for 10min, mouse liver tissue lysate diluted in RIPA buffer was added to each sample and incubated for a further 10min under agitation.

Proteins were eluted by addition of 40µl SDS loading buffer and incubated for 10min at 70°C; 10µl of each sample was separated on a SDS PAGE gel, transferred to a nitrocellulose membrane, blocked with 5% BSA and probed with ab91279.

Secondary: Mouse monoclonal [SB62a] Secondary Antibody to Rabbit IgG light chain (HRP) (**ab99697**).

Band: 37, 40kDa: liver Arginase

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