abcam

Product datasheet

Anti-liver Arginase antibody ab60176

8 Abreviews 34 References 1 Image

Overview

Product name	Anti-liver Arginase antibody
Description	Goat polyclonal to liver Arginase
Host species	Goat
Tested applications	**Suitable for:** ICC, IHC-Fr, WB
Species reactivity	**Reacts with:** Mouse, Rat
Immunogen	Synthetic peptide corresponding to Rat Liver Arginase aa 311-323 (C terminal). Sequence: C-NHKPETDYLKPPK Run BLAST with Run BLAST with
General notes	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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 99% Tris buffered saline, 0.5% BSA
Purity	Immunogen affinity purified
Purification notes	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab60176 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC	★★★★★ (2)	Use at an assay dependent concentration.
IHC-Fr	★★★★★ (2)	Use at an assay dependent concentration.
WB	★★★★★ (1)	Use a concentration of 0.01 - 0.03 µg/ml. Detects a band of approximately 37 kDa (predicted molecular weight: 35 kDa). A 1 hour primary incubation at room temperature is recommended for this product.

Target

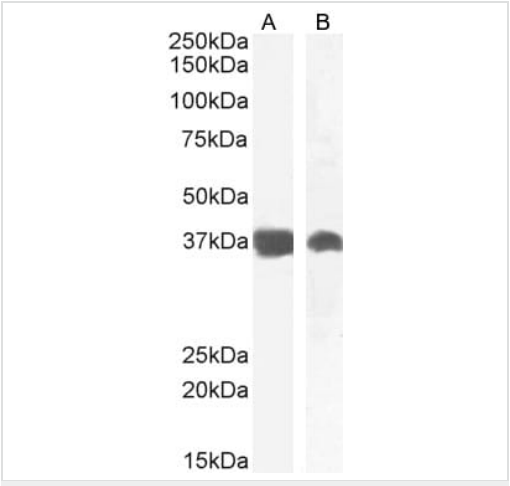
Pathway Nitrogen metabolism; urea cycle; L-ornithine and urea from L-arginine: step 1/1.

Involvement in disease 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.

Sequence similarities Belongs to the arginase family.

Cellular localization Cytoplasm.

Images



Western blot - Anti-liver Arginase antibody (ab60176)

Lane 1 : Anti-liver Arginase antibody (ab60176) at 0.01 µg/ml

Lane 2 : Anti-liver Arginase antibody (ab60176) at 0.03 µg/ml

Lane 1 : Mouse liver lysate

Lane 2 : Rat liver lysate

Lysates/proteins at 35 µg per lane.

Predicted band size: 35 kDa

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