Anti-Liver Arginase antibody [EPR6672(B)] ab133543

RabMAb®

1 Abreviews | 2 Images

Overview

Product name	Anti-Liver Arginase antibody [EPR6672(B)]
Description	Rabbit monoclonal [EPR6672(B)] to Liver Arginase
Tested applications	WB, IHC-P, ICC/IF, IP
Species reactivity	**Reacts with:** Human
Immunogen	Synthetic peptide corresponding to residues in Human liver Arginase.
Positive control	Human fetal liver and Human fetal lung lysates; Human hepatocellular carcinoma tissue.
General notes	This product is a recombinant rabbit monoclonal antibody. Produced using Abcam's RabMAb® technology. RabMAb® technology is covered by the following U.S. Patents, No. 5,675,063 and/or 7,429,487. Alternative versions available: Anti-Liver Arginase antibody (HRP) [EPR6672(B)] (ab195510)

Properties

Form	Liquid
Storage instructions	Store at -20°C. Stable for 12 months at -20°C
Storage buffer	pH: 7.40 Preservative: 0.01% Sodium azide Constituents: 50% Glycerol, 0.05% BSA
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR6672(B)
Isotype	IgG

Applications

Our Abpromise guarantee covers the use of **ab133543** in the following tested applications.

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

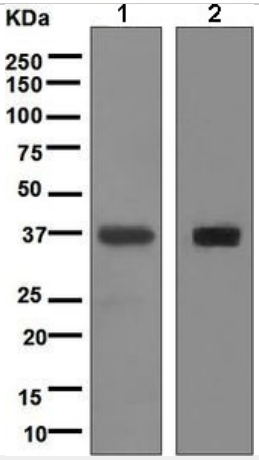
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Detects a band of approximately 35 kDa (predicted molecular weight: 35 kDa).
IHC-P	★★★★★	1/250 - 1/500.
ICC/IF		1/50 - 1/100.
IP		1/10 - 1/100.

Application notes Is unsuitable for Flow Cyt.

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.

Anti-Liver Arginase antibody [EPR6672(B)] images



Western blot - Anti-liver Arginase antibody [EPR6672(B)] (ab133543)

All lanes : Anti-Liver Arginase antibody [EPR6672(B)] (ab133543) at 1/1000 dilution

Lane 1 : Human fetal liver lysate

Lane 2 : Human fetal lung lysate

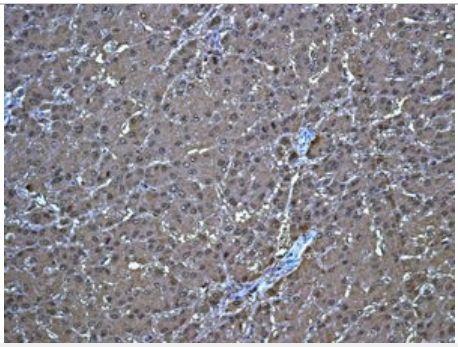
Lysates/proteins at 10 µg per lane.

Secondary

HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size : 35 kDa

Observed band size : 35 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-liver Arginase antibody [EPR6672(B)] (ab133543)

Immunohistochemical analysis of paraffin embedded Human hepatocellular carcinoma tissue labelling liver Arginase with ab133543 antibody at a dilution of 1/250.

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