abcam

Product datasheet

Anti-Liver Arginase antibody [SP156] ab183333

Recombinant RabMAb

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Overview

Product name	Anti-Liver Arginase antibody [SP156]
Description	Rabbit monoclonal [SP156] to Liver Arginase
Host species	Rabbit
Tested applications	**Suitable for:** WB, IHC-P
Species reactivity	**Reacts with:** Mouse, Human **Predicted to work with:** Rabbit, Cow, Pig
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	IHC-P: Human liver, hepatocellular carcinoma, and liver cirrhosis tissue; WB: Mouse liver and human liver.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. **This product is FOR RESEARCH USE ONLY. For commercial use, please contact partnerships@abcam.com.**

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 long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.60 Preservative: 0.1% Sodium azide Constituents: PBS, 1% BSA
Purity	Protein A/G purified
Purification notes	Purified from TCS by protein A/G.
Clonality	Monoclonal

Clone number	SP156
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab183333 in the following tested applications.

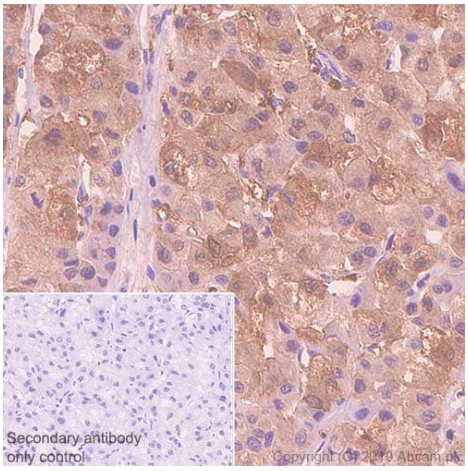
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1.86 µg/ml. Detects a band of approximately 37 kDa (predicted molecular weight: 35 kDa).
IHC-P		1/100. Boil tissue section in 1mM EDTA buffer, pH 8.0 for 10 min followed by cooling at room temperature for 20 min.

Target

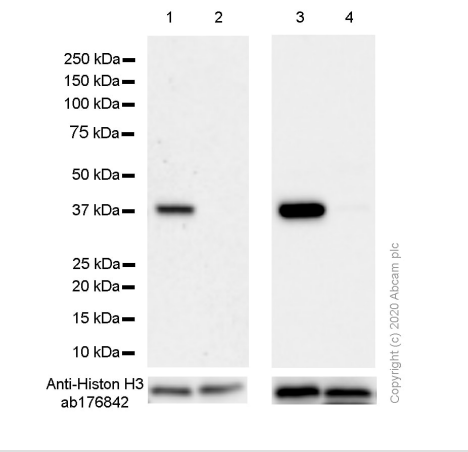
Pathway	Nitrogen metabolism; urea cycle; L-ornithine and urea from L-arginine: step 1/1.
Involvement in disease	Defects in ARG1 are the cause of argininemia (ARGIN) [MIM:207800]; also known as hyperargininemia. Argininemia is a rare autosomal recessive disorder of the urea cycle. Arginine is elevated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



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Liver Arginase antibody [SP156] (ab183333)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human hepatocyte cancer tissue sections labeling Liver Arginase with Purified ab183333 at 1/100 dilution (0.54 µg/ml). Heat mediated antigen retrieval was performed Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins. Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



Western blot - Anti-Liver Arginase antibody [SP156] (ab183333)

All lanes : Anti-Liver Arginase antibody [SP156] (ab183333) at 1.866 µg/ml

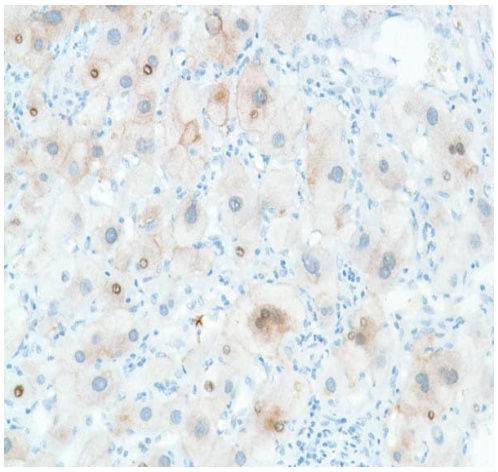
Lane 1 : Mouse liver tissue
Lane 2 : Mouse spleen tissue
Lane 3 : Human liver tissue
Lane 4 : Human spleen tissue

Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 0.05 µg/ml

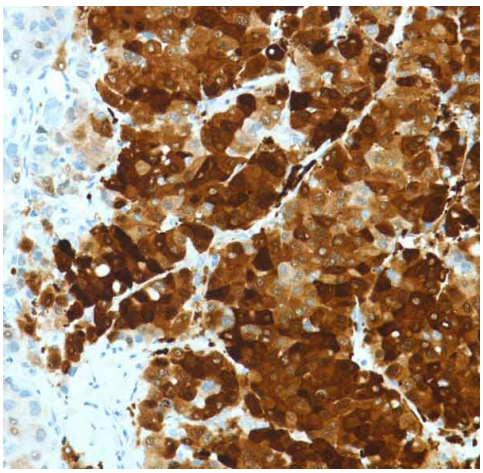
Predicted band size: 35 kDa
Observed band size: 37 kDa

Exposure time:
Lane1 & 2 is 3min
Lane 3 & 4 is 4 s



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Liver Arginase antibody [SP156] (ab183333)

Immunohistochemical analysis of paraffin-embedded Human hepatocellular carcinoma tissue labeling Liver Arginase with ab183333 at 1/100 dilution.



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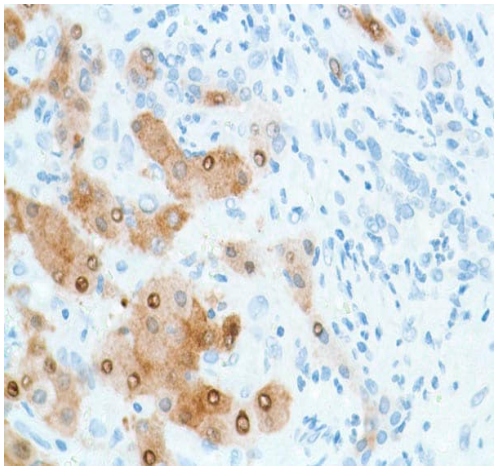

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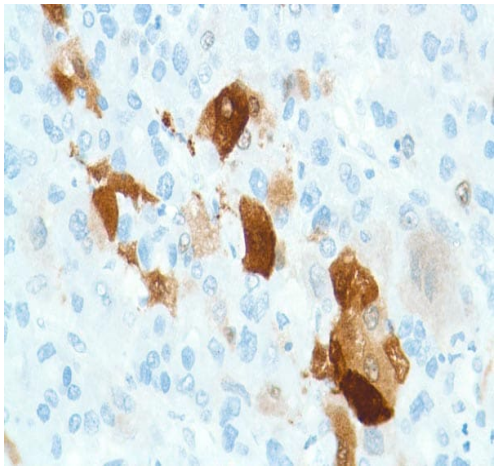

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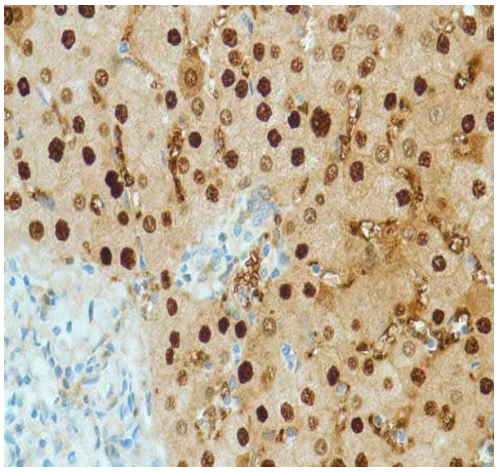
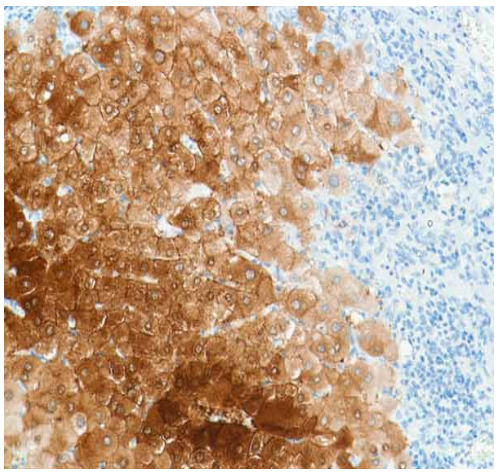


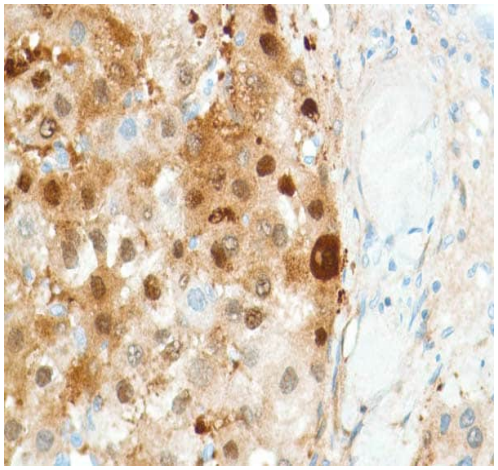
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Liver Arginase antibody [SP156] (ab183333)

Immunohistochemical analysis of paraffin-embedded Human liver tissue labeling Liver Arginase with ab183333 at 1/100 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Liver Arginase antibody [SP156] (ab183333)

Immunohistochemical analysis of paraffin-embedded Human liver cirrhosis tissue labeling Liver Arginase with ab183333 at 1/100 dilution.



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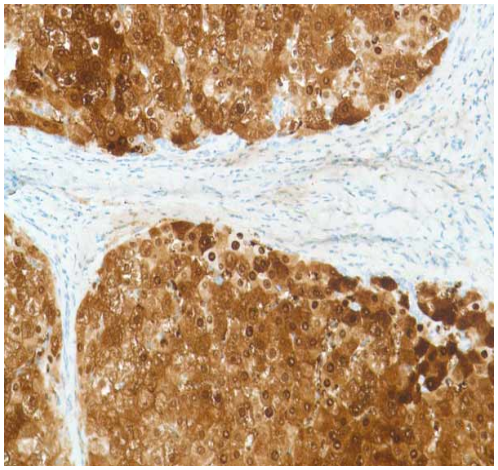

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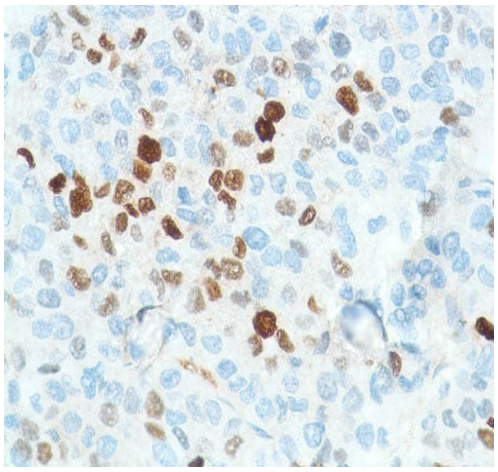

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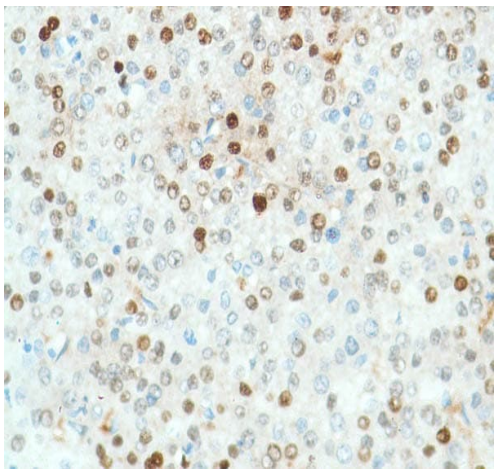

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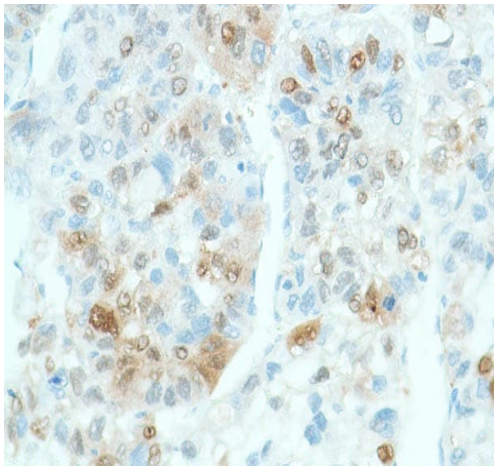

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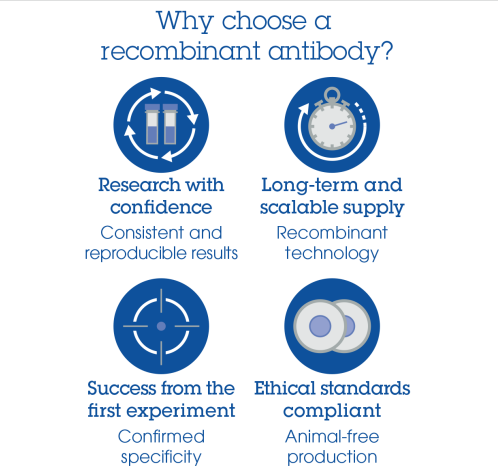

Anti-Liver Arginase antibody [SP156] (ab183333)

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