9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

10-7543: Monoclonal Antibody to Arginase-1 (Clone: ABM4B35)

Clonality :	Monoclonal
Clone Name :	ABM4B35
Application :	IHC,WB
Reactivity :	Human
Gene :	ARG1
Gene ID :	383
Uniprot ID :	P05089
Format :	Purified
Alternative Name :	ARG1
Isotype :	Mouse IgG2b Kappa
Immunogen Information :	A partial length recombinant Arginase-1 protein (amino acids 11-230) was used as the immunogen for this antibody

Description

Arginase-1 (Arg-1) is a binuclear manganese metalloenzyme that catalyzes the hydrolysis of arginine to ornithine and urea. It is expressed in normal human liver with a high degree of specificity, concentrated in periportal hepatocytes. Arginase-1 are urea cycle enzymes used to distinguish hepatocellular carcinoma from other carcinomas. Two transcript variants encoding different isoforms have been found for this gene. Inherited deficiency of this enzyme results in argininemia, an autosomal recessive disorder characterized by hyperammonemia.

Product Info

Amount :	25 µg / 100 µg
Purification :	Protein G Chromatography
Content :	25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Western blot analysis: 2-4 µg/ml, Immunohistochemical analysis: 5-15 µg/ml

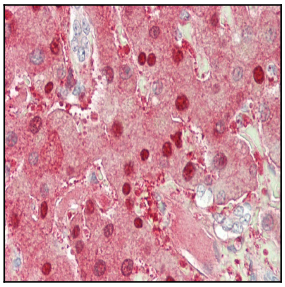


Fig-1: Immunohistochemical (Formalin Fixed paraffin-embedded) analysis of Arginase-1 in human liver tissue using Arginase-1 antibody (Clone: ABM4B35) at 15 µg/ml.

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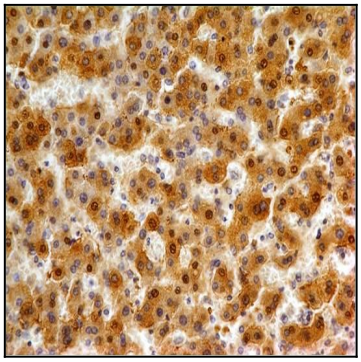


Fig-2 : Immunohistochemical (Formalin Fixed paraffin-embedded) analysis of Arginase-1 in human liver tissue using Arginase-1 antibody (Clone: ABM4B35) at 5 µg/ml.

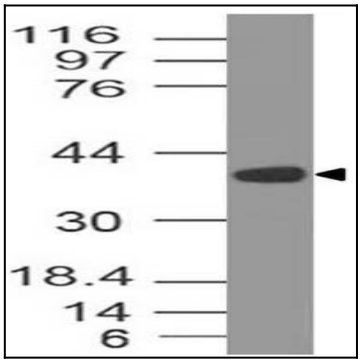


Fig-3 : Western blot analysis of Arginase-1. Anti- Arginase-1 antibody (Clone: ABM4B35) was tested at 2 µg/ml on human liver lysate.

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