

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

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| 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

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| 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

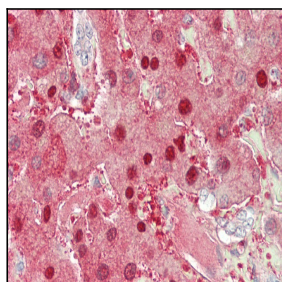


Fig-1: Immunohistochemical analysis of Arginase-1 in human liver tissue using Arginase-1 antibody (Clone: ABM4B35) at 15 µg/ml.

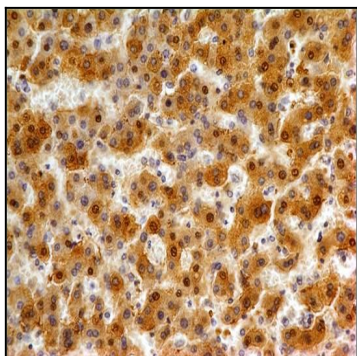


Fig-2 : Immunohistochemical analysis of Arginase-1 in human liver tissue using Arginase-1 antibody (Clone: ABM4B35) at 5 µg/ml.

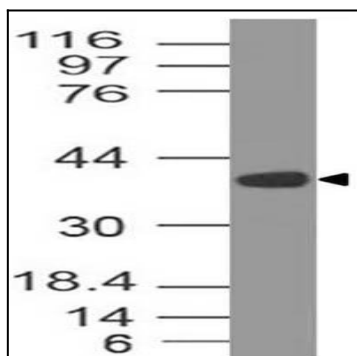


Fig-3 : Western blot analysis of Arginase-1. Anti- Arginase-1 antibody (Clone: ABM4B35) was tested at 2 µg/ml on human liver lysate.