



Arginase-1

Data Sheet

Catalog Number:	MO47024	Host:	Mouse
Product Type:	Mouse Monoclonal IgG	Species Reactivity:	Human
Immunogen Sequence:	Recombinant Human Arginase-1	Format:	Liquid with PBS buffer, pH 7.4 with 0.02% Sodium Azide
Applications:	Immunohistochemistry: 1:1,000-3,000 Western Blot: 1:500-1,000 Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.		
Storage:	The product can be stored undiluted for several weeks at 4°C. Dilute only immediately before use. Aliquot and store at -20°C long term. Avoid freeze thaw-cycles.		

Application Notes

Description/Data:

Arginase-1 is a cytosolic metalloenzyme encoded by the ARG1 gene and is expressed primarily in hepatocytes. The type I isoform of Arginase-1 mediates the urea cycle by catalyzing the hydrolysis of arginine to urea and ornithine. A deficiency in the arginase-1 enzyme is associated with Argininemia, an inherited autosomal recessive disorder characterized by an excess of arginine and ammonia in the bloodstream (hyperammonemia). MO47024 Antibody is validated for the detection of Arginase-1 (ARG1). ARG1 is often used as a specific marker to distinguish benign and malignant hepatic tumors as it is highly specific for hepatocytes.

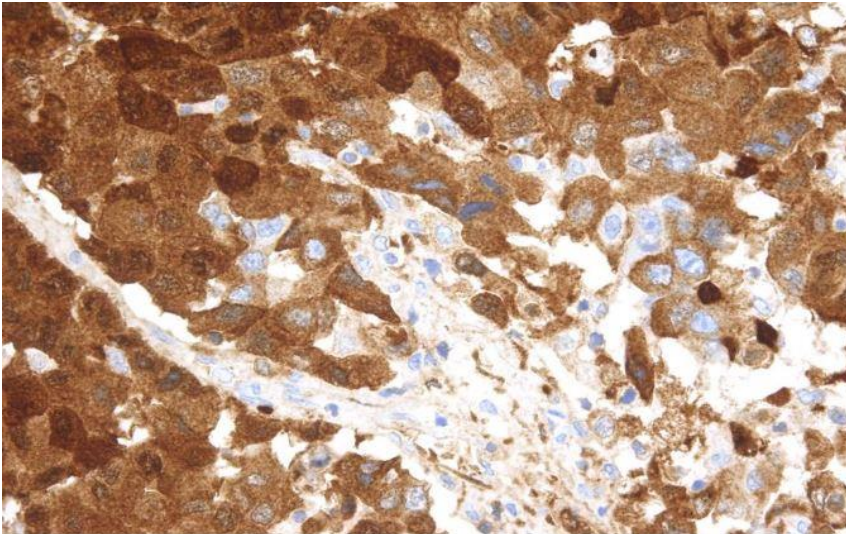


Image: Immunohistochemistry staining of MO47024 on human liver carcinoma tissue.

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