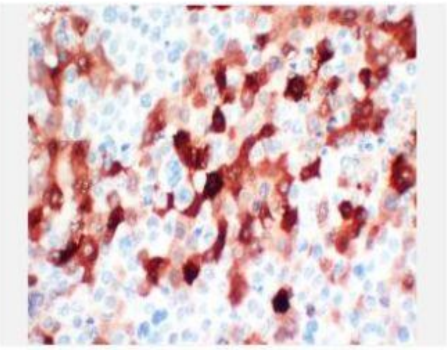
PRODUCT DATA SHEET

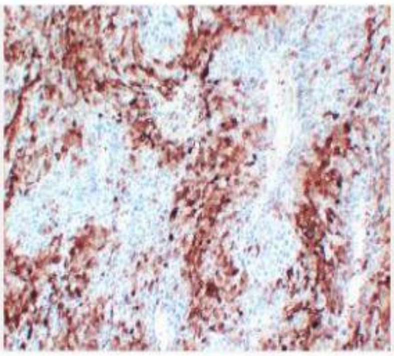
Arginase-1(ABT-Arg1) mouse mAb

Catalog No.	IML0080
Reactivity	Human; Mouse
Applications	IHC-p
Gene Name	ARG1
Protein Name	Arginase-1 (EC 3.5.3.1) (Liver-type arginase) (Type I arginase)
Human Gene Id	383
Swiss-Prot	P05089
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse:IgG2b, Kappa
Dilution	IHC-p: 1:100-200
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Concentration	0.27mg:mL
Storage&Stability	-20°C:1 year
Background	Arginase catalyzes the hydrolysis of arginine to ornithine and urea. At least two isoforms of mammalian arginase exist (types I and II) which differ in their tissue distribution, subcellular localization, immunologic crossreactivity and physiologic function. The type I isoform encoded by this gene, is a cytosolic enzyme and expressed predominantly in the liver as a component of the urea cycle. Inherited deficiency of this enzyme results in argininemia, an autosomal recessive disorder characterized by hyperammonemia. Two transcript variants encoding different isoforms have been found for this gene.
Subcellular Location	Cytoplasmic, Nuclear
BiowMW	-

Products Images:



Immunohistochemical analysis of paraffin-embedded human Hepatocellular carcinoma. 1,Arginase-1 Antibody was diluted at 1:200(4° overnight). 2, EDTA pH 8.0 was used for antigen retrieval



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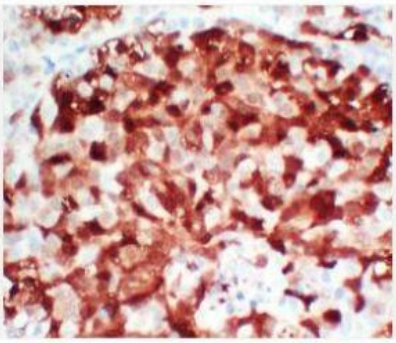

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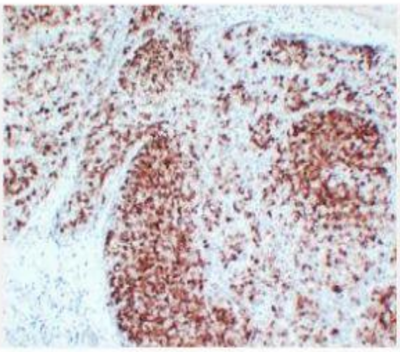

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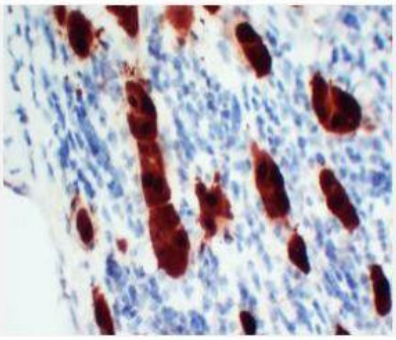

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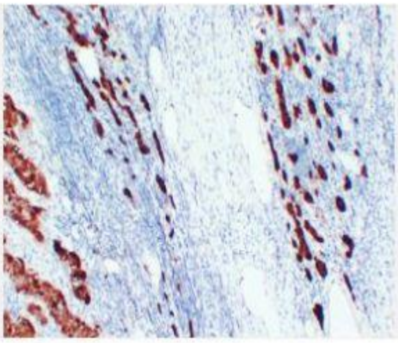

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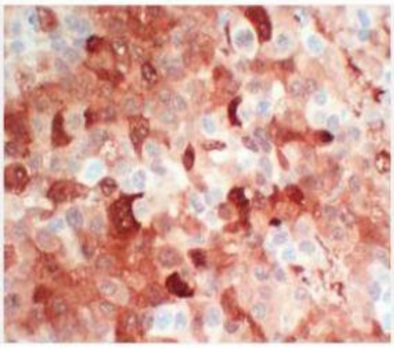

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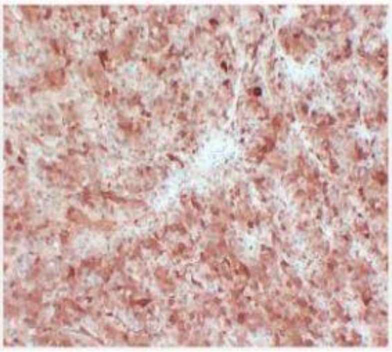

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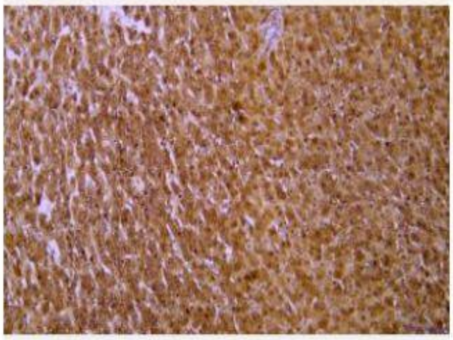

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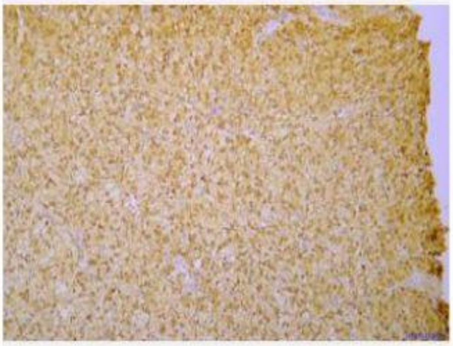

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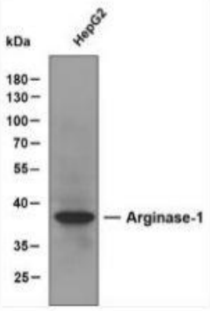

Whole cell lysates of HepG2 were separated by 10% SDS-PAGE, and the membrane was blotted with anti-Arginase-1 antibody. The HRP-conjugated anti-Mouse IgG antibody was used to detect the antibody. Predicted band size: 35 kDa