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## Arginase-1(ABT-Arg1) mouse mAb

Catalog No	YP-Ab-15450
lsotype	lgG
Reactivity	Human
Applications	IHC,WB
Gene Name	ARG1
Protein Name	Arginase-1 (EC 3.5.3.1) (Liver-type arginase) (Type I arginase)
Immunogen	Synthesized peptide derived from human Arginase-1
Specificity	This antibody detects endogenous levels of human Arginase-1 (EC 3.5.3.1) (Liver-type arginase) (Type I arginase). Heat-induced epitope retrieval (HIER) TRIS-EDTA of pH8.0 was highly recommended as ant
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Mouse, Monoclonal/IgG2b, Kappa
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Dilution	IHC-p 1:100-500,WB 1:500-2000
Concentration	1 mg/ml
Concentration Purity	1 mg/ml ≥90%
Purity	≥90%
Purity Storage Stability	≥90%
Purity Storage Stability Synonyms	≥90%
Purity Storage Stability Synonyms Observed Band	≥90% -20°C/1 year Cytoplasm . Cytoplasmic granule . Localized in azurophil granules of neutrophils

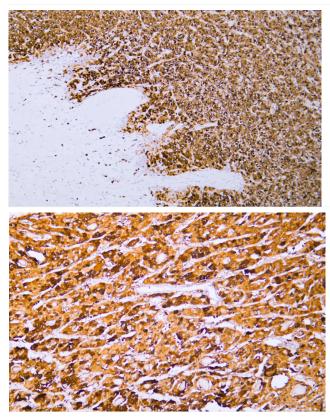


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BackgroundArginase catalyzes the hydrolysis of arginine to ornithine and urea. At least two<br/>isoforms of mammalian arginase exist (types I and II) which differ in their tissue<br/>distribution, subcellular localization, immunologic crossreactivity and physiologic<br/>function. The type I isoform encoded by this gene, is a cytosolic enzyme and<br/>expressed predominantly in the liver as a component of the urea cycle. Inherited<br/>deficiency of this enzyme results in argininemia, an autosomal recessive disorder<br/>characterized by hyperammonemia. Two transcript variants encoding different<br/>isoforms have been found for this gene. [provided by RefSeq, Sep 2011],matters needing<br/>attentionAvoid repeated freezing and thawing!Usage suggestionsThis product can be used in immunological reaction related experiments. For<br/>more information, please consult technical personnel.

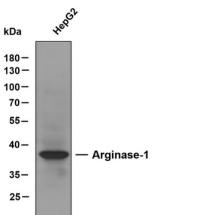
## Products Images



Human hepatocelluar carcinoma tissue was stained with anti-Arginase-1(ABT-Arg1) antibody.

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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