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## 36-1340: Monoclonal Antibody to Arginase 1 (Hepatocellular Carcinoma Marker)(Clone : ARG1/1126)

Clonality: Monoclonal **Clone Name:** ARG1/1126 Application: WB,IHC Reactivity: Human Gene: ARG1 Gene ID: 383 **Uniprot ID:** P05089 Format: **Purified** 

**Isotype:** Mouse IgG3, kappa

ARG1

Immunogen Information: Recombinant fragment (87 Amino acid residues around aa 1-150) of human ARG1 protein

## **Description**

**Alternative Name:** 

Recognizes a protein of 35-38kDa, which is identified as Arginase 1 (ARG1). Arginase is a manganese metallo-enzyme that catalyzes the hydrolysis of arginine to generate ornithine and urea. Arginase I and II are isoenzymes, which differ in subcellular localization, regulation, and possibly function. Arginase I is a cytosolic enzyme, which is expressed mainly in the liver as part of the urea cycle, whereas arginase II is a mitochondrial protein found in a variety of tissues. Antibody to ARG-1 labels hepatocytes in normal tissues and granulocytes in peripheral blood. ARG-1 is a sensitive and specific marker for identification of hepatocellular carcinoma.

## **Product Info**

**Amount:** 100 μg

**Purification:** Affinity Chromatography

**Content:** 100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly

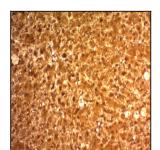
toxic.

**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 (2-4ug/ml); ,Immunohistology (Formalin-fixed) (2-4ug/ml for 30 minutes at RT),(Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes),



Formalin-fixed, paraffin-embedded human Hepatocellular Carcinoma stained with ARG1 Monoclonal Antibody (ARG1/1126).