

**DATASHEET**

**Arginase-1 Rabbit Monoclonal Antibody(ARB874)**

CAT. NO. ARB6666

**KEY FEATURES**

Target	Arginase-1	Clonality	Monoclonal
Clone ID	ARB874	Applications	IHC
Source / Host	Rabbit	Dilution	1:100-1:200
Reactivity	Human	Storage	at-20°C

**BACKGROUND**

Arginase 1 (ARG-1) is a new hepatocyte marker and a key enzyme in the liver urea cycle. It is well expressed in normal hepatic nuclei, but not in other normal tissues, and is highly expressed in hepatocellular carcinoma with different degrees of differentiation. The better the differentiation is, the higher the positive rate is, and it is superior to HepPar 1 in poorly differentiated hepatocellular carcinoma. It is more sensitive than AFP and HepPar 1 in the diagnosis of hepatocellular carcinoma, and is often used in combination with Glypican3 for hepatocellular carcinoma and metastatic carcinoma. Defects in ARG1 are the cause of argininemia (ARGIN) [MIM:207800]; also known as hyperargininemia.

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

IHC	1:100 - 1:200
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\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

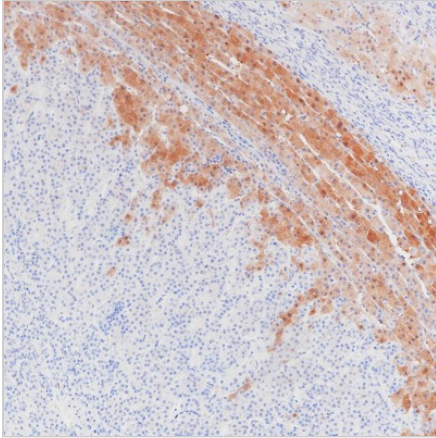
Predicted Molecular Wt	35 kDa
Purity	ProA affinity purified IgG
Subcellular location	Nucleus & Cytoplasm
Swissprot ID	P05089
Immunogen	Synthetic peptide within Human Liver Arginase aa 300-400
Storage Buffer	PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%
Recommended method	Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18° C-25° C) for 30 minutes.

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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**DATA**

Immunohistochemical staining of human hepatocellular carcinoma tissue sections using Arginase-1 Rabbit Monoclonal Antibody (ARB874).

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: [www.arexbio.com](http://www.arexbio.com)