

**Arginase-1**  
**Rabbit Monoclonal antibody(Mab)**  
**Catalog # AD80387**

## Specification

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### Arginase-1 - Product info

Application	IHC-P
Primary Accession	<a href="#">P05089</a>
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Calculated MW	34735

### Arginase-1 - Additional info

Gene ID	383
Gene Name	ARG1
<b>Other Names</b>	
Arginase-1, 3.5.3.1, Liver-type arginase, Type I arginase, ARG1	

#### Dilution

IHC-P~~Ready-to-use

#### Storage

Maintain refrigerated at 2-8°C

#### Precautions

**Arginase-1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.**

### Arginase-1 - Protein Information

**Name** ARG1

**Function**

**Key element of the urea cycle converting L-arginine to urea and L-ornithine, which is further metabolized into metabolites proline and polyamides that drive collagen synthesis and bioenergetic pathways critical for cell proliferation, respectively; the urea cycle takes place primarily in the liver and, to a lesser extent, in the kidneys.**

**Cellular Location**

**Cytoplasm. Cytoplasmic granule. Note=Localized in azurophil granules of neutrophils (PubMed:15546957)**

**Tissue Location**

**Within the immune system initially reported to be selectively expressed in granulocytes (polymorphonuclear**

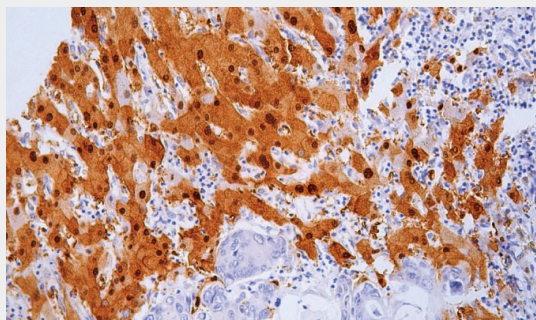
**leukocytes [PMNs]) (PubMed:15546957). Also detected in macrophages mycobacterial granulomas (PubMed:23749634). Expressed in group2 innate lymphoid cells (ILC2s) during lung disease (PubMed:27043409).**

### **Arginase-1 - Protocols**

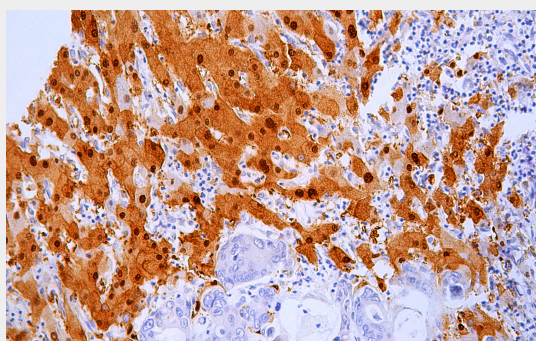
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **Arginase-1 - Images**



Liver



Immunohistochemical analysis of paraffin-embedded human hepatocarcinoma tissue using AD80387 performed on the Abcarta® FAIP-30 Fully automated IHC platform. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a EDTA buffer (pH9.0). Samples were incubated with primary antibody (Ready-to-use) for 15 min at room temperature. AmpSee™ Detection Systems [Abcepta:AR005] was used as the secondary antibody.