

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

Specification

Arginase-1 - Product info

Application	IHC-P, IHC
Primary Accession	P05089
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Calculated MW	34735

Arginase-1 - Additional info

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

Dilution

IHC-P~~Ready-to-use
IHC~~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

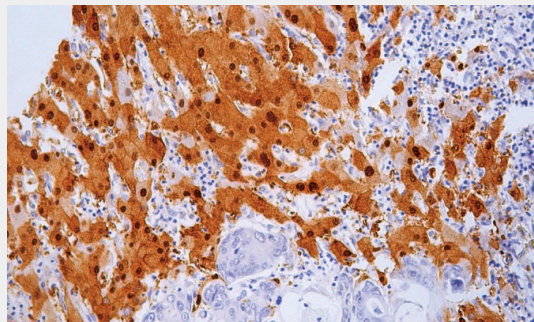
granulocytes (polymorphonuclear leukocytes [PMNs]) (PubMed:15546957). Also detected in macrophages mycobacterial granulomas (PubMed:23749634). Expressed in group2 innate lymphoid cells (ILC2s) during lung disease (PubMed:27043409).

Arginase-1 - Protocols

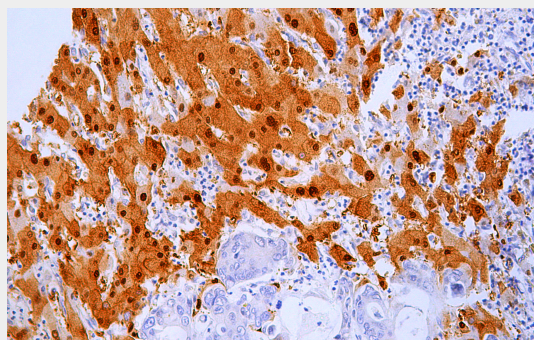
Provided below are standard protocols that you may find useful for product applications.

- [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.