

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 | This product is stored at 2-21 °C, please use it within the expiration date. |
| 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 |

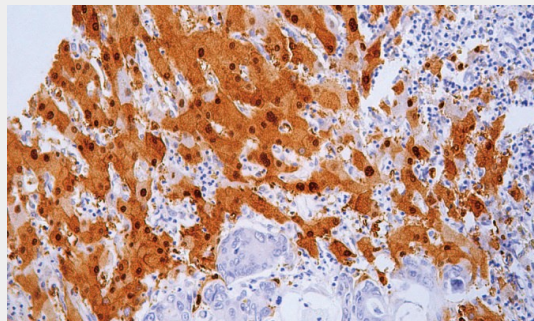
leukocytes [PMNs]) (PubMed:15546957). Also detected in macrophages mycobacterial granulomas (PubMed:23749634). Expressed in group2 innate lymphoid cells (ILC2s) during lung disease (PubMed:27043409).

Arginase-1 - Protocols

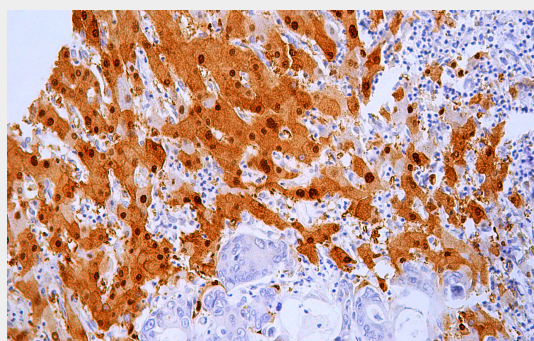
Provided below are standard protocols that you may find useful for product applications.

- [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.