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

Specification

Arginase-1 - Product info

Application	**IHC-P**
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

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**

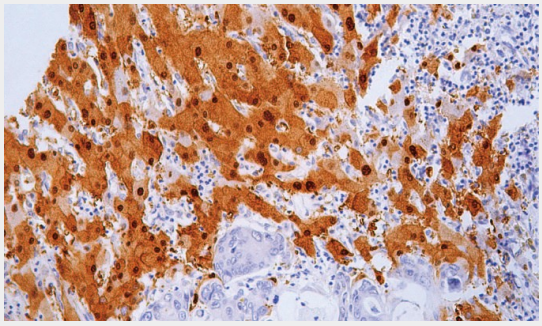
leukocytes [PMNs]) (PubMed:15546957). Also detected in macrophages mycobacterial granulomas (PubMed:23749634). Expressed in group2 innate lymphoid cells (ILC2s) during lung disease (PubMed:27043409).

Arginase-1 - Protocols

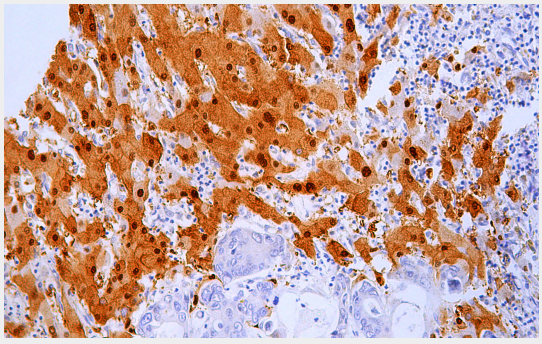
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- 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. AmpSeeTM Detection Systems（Abcepta:AR005） was used as the secondary antibody.