

Arginase I Polyclonal Antibody

Catalog # AP68494

Specification

Arginase I Polyclonal Antibody - Product Information

Application WB, IHC-P
Primary Accession P05089
Reactivity Human
Host Rabbit
Clonality Polyclonal

Arginase I Polyclonal Antibody - Additional Information

Gene ID 383

Other Names

ARG1; Arginase-1; Liver-type arginase; Type I arginase

Dilution

WB~~1:1000 IHC-P~~N/A

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

Arginase I Polyclonal Antibody - 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)

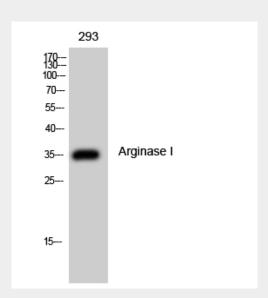


Arginase I Polyclonal Antibody - Protocols

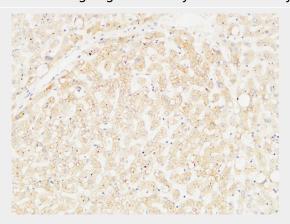
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Arginase I Polyclonal Antibody - Images

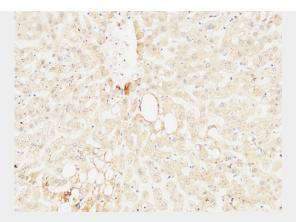


Western Blot analysis of 293 cells using Arginase I Polyclonal Antibody



Immunohistochemical analysis of paraffin-embedded Human liver. 1, Antibody was diluted at 1:200(4°,overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).





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