

## **Anti-Liver Arginase ARG1 Rabbit Monoclonal Antibody**

Catalog # ABO14175

### **Specification**

# **Anti-Liver Arginase ARG1 Rabbit Monoclonal Antibody - Product Information**

Application WB, IHC, IF, ICC, IP

Primary Accession
Host
Rabbit
Isotype
Reactivity
Clonality
Format
Rabbit IgG
Human
Monoclonal
Liquid

**Description** 

Anti-Liver Arginase ARG1 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human.

## Anti-Liver Arginase ARG1 Rabbit Monoclonal Antibody - Additional Information

Gene ID 383

**Other Names** 

Arginase-1, 3.5.3.1, Liver-type arginase, Type I arginase, ARG1

Calculated MW 34735 MW KDa

**Application Details** 

WB 1:500-1:2000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200<br>IP 1:30

**Subcellular Localization** 

Cytoplasm.

**Contents** 

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen** 

A synthesized peptide derived from human Liver Arginase

**Purification** 

Affinity-chromatography

Storage Store at -20°C for one year. For short term

storage and frequent use, store at 4°C for

up to one month. Avoid repeated

freeze-thaw cycles.

## Anti-Liver Arginase ARG1 Rabbit Monoclonal 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**

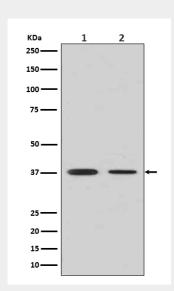
Within the immune system initially reported to be selectively expressed in granulocytes (polymorphonuclear leukocytes [PMNs]) (PubMed:15546957). Also detected in macrophages mycobacterial granulomas (PubMed:23749634). Expressed in group2 innate lymphoid cells (ILC2s) during lung disease (PubMed:27043409)

## Anti-Liver Arginase ARG1 Rabbit Monoclonal Antibody - Protocols

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

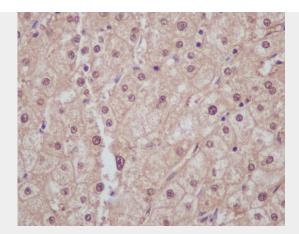
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

### Anti-Liver Arginase ARG1 Rabbit Monoclonal Antibody - Images



Western blot analysis of Liver Arginase in (1) Human fetal liver lysate; (2) Human fetal lung lysate.





Immunohistochemical analysis of paraffin-embedded human liver, using Liver Arginase Antibody.