

Arginase I Antibody (C-Term)
Peptide-affinity purified goat antibody
Catalog # AF2440a

Specification

Arginase I Antibody (C-Term) - Product Information

Application	WB, IHC
Primary Accession	P05089
Other Accession	NP_000036.2 , 383 , 11846 (mouse) , 29221 (rat)
Reactivity	Human, Mouse, Rat, Pig
Predicted	Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	34735

Arginase I Antibody (C-Term) - Additional Information

Gene ID 383

Other Names

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

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Arginase I Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

Arginase I Antibody (C-Term) - 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

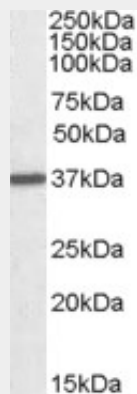
Within the immune system initially reported to be selectively expressed in granulocytes (polymorphonuclear leukocytes [PMNs]) (PubMed:15546957). Also detected in macrophages mycobacterial granulomas (PubMed:23749634). Expressed in group2 innate lymphoid cells (ILC2s) during lung disease (PubMed:27043409)

Arginase I Antibody (C-Term) - Protocols

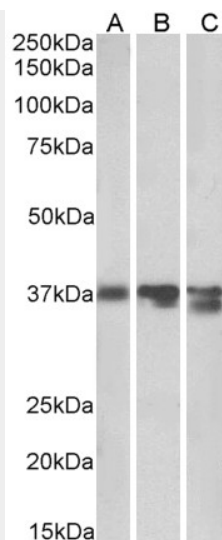
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

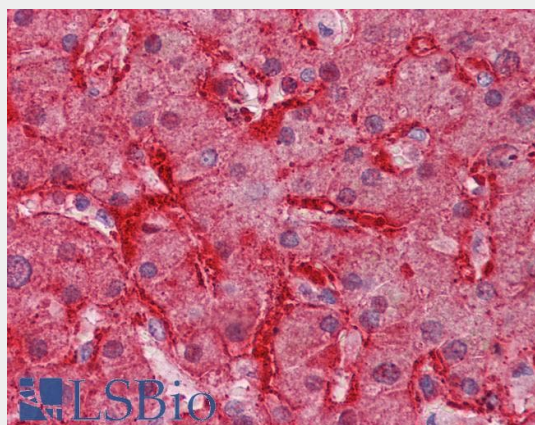
Arginase I Antibody (C-Term) - Images



AF2440a (0.01 μ g/ml) staining of Human Liver lysate (35 μ g protein in RIPA buffer). Detected by chemiluminescence.



AF2440a (0.03 μ g/ml) staining of Pig (A), Mouse (B) and Rat (C) Liver lysates (35 μ g protein in RIPA buffer). Detected by chemiluminescence.



AF2440a (3.75 μ g/ml) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Arginase I Antibody (C-Term) - References

A review of asthma genetics: gene expression studies and recent candidates. Malerba G, Pignatti PF. J Appl Genet. 2005;46(1):93-104. Review. PMID: 15741670