

**ARG1 / Arginase 1 Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS13619**

**Specification**

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**ARG1 / Arginase 1 Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">P05089</a>
Reactivity	<b>Human, Mouse</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>35kDa KDa</b>

**ARG1 / Arginase 1 Antibody - Additional Information**

**Gene ID** 383

**Other Names**

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

**Target/Specificity**

Human Arginase I. Predicted cross-reactivity based on amino acid sequence homology: mouse (85%), rat (83%), rabbit (90%), bovine (89%), pig (90%).

**Reconstitution & Storage**

Aliquot and store at -20°C. Minimize freezing and thawing.

**Precautions**

ARG1 / Arginase 1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**ARG1 / Arginase 1 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)

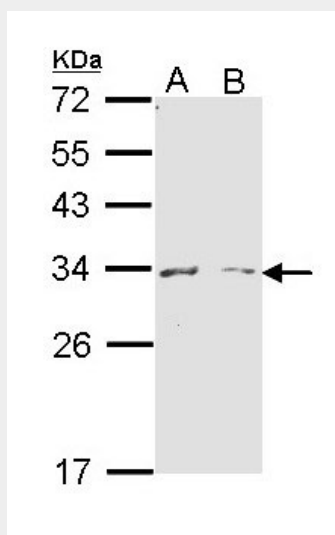
**Volume**

50  $\mu$ l

**ARG1 / Arginase 1 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 Cytometry](#)
- [Cell Culture](#)

**ARG1 / Arginase 1 Antibody - Images**

Sample (30  $\mu$ g of whole cell lysate).

**ARG1 / Arginase 1 Antibody - References**

- Haraguchi Y., et al. Proc. Natl. Acad. Sci. U.S.A. 84:412-415(1987).  
Takiguchi M., et al. Nucleic Acids Res. 16:8789-8802(1988).  
Lee Y.T., et al. Submitted (JAN-2002) to the EMBL/GenBank/DDBJ databases.  
Kalnine N., et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.  
Mungall A.J., et al. Nature 425:805-811(2003).