

Product Name: ARG1 (7H3) Rabbit Monoclonal Antibody
Catalog #: AMRe07109

Summary

Production Name	ARG1 (7H3) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB,IHC-P,IP,IF-P
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Purification	Affinity purification

Immunogen

Gene Name	ARG1
Alternative Names	ARG1; Arginase-1; Liver-type arginase; Type I arginase; Arginase liver; Liver Arginase;
Gene ID	383.0
SwissProt ID	P05089.

Application

Dilution Ratio	WB 1:1000-1:5000, IHC-P/IF-P 1:200-1:500, IP 1:10-1:100
Molecular Weight	35kDa

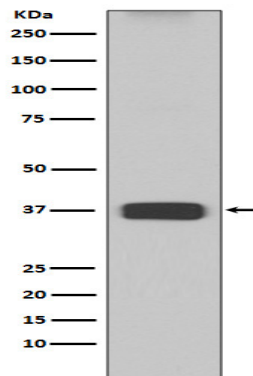
Background

Product Name: ARG1 (7H3) Rabbit Monoclonal Antibody
Catalog #: AMRe07109

Arginase catalyzes the hydrolysis of arginine to ornithine and urea. At least two isoforms of mammalian arginase exist (types I and II) which differ in their tissue distribution, subcellular localization, immunologic crossreactivity and physiologic function. The type I isoform encoded by this gene, is a cytosolic enzyme and expressed predominantly in the liver as a component of the urea cycle. 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.

Research Area

Image Data



Western blot analysis of ARG1 expression in Mouse liver lysate.

Note

For research use only.