

# Liver Arginase Rabbit mAb

Catalog # AP76910

## Product Information

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<b>Application</b>	WB, IP
<b>Primary Accession</b>	<a href="#">P05089</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal Antibody
<b>Isotype</b>	IgG
<b>Conjugate</b>	Unconjugated
<b>Immunogen</b>	A synthesized peptide derived from human ARG1
<b>Purification</b>	Affinity Chromatography
<b>Calculated MW</b>	34735

## Additional Information

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<b>Gene ID</b>	383
<b>Other Names</b>	ARG1
<b>Dilution</b>	WB~~1/500-1/1000 IP~~N/A
<b>Format</b>	Liquid in 1xPBS(pH 7.4), 150mM NaCl, 50% Glycerol, 0.02% Sodium azide and 0.05% BSA
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Protein Information

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<b>Name</b>	ARG1
<b>Function</b>	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.
<b>Cellular Location</b>	Cytoplasm. Cytoplasmic granule. Note=Localized in azurophil granules of neutrophils (PubMed:15546957)
<b>Tissue Location</b>	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)

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