

ARG1 Rabbit mAb

Catalog No: #48738

Package Size: #48738-1 50ul #48738-2 100ul

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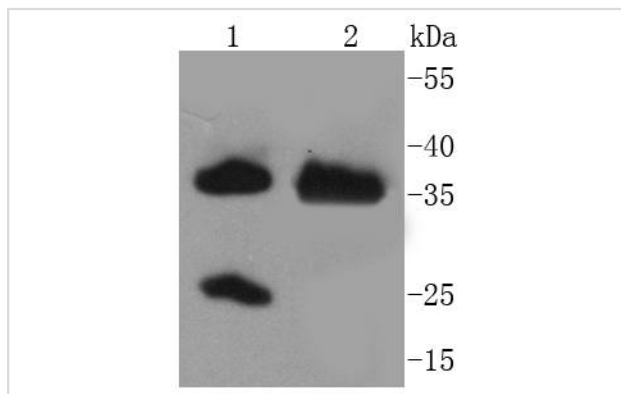
Description

Product Name	ARG1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SY09-06
Purification	ProA affinity purified
Applications	WB, IP
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	arg1 antibody ARG11_HUMAN antibody Arginase-1 antibody Liver-type arginase antibody Type I arginase antibody
Accession No.	Swiss-Prot#:P05089
Uniprot	P05089
GeneID	383;
Calculated MW	35/25 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

WB: 1:1,000-1:2,000

Images



Western blot analysis of ARG1 on different lysates using anti-ARG1 antibody at 1/1,000 dilution. Positive control: Lane 1: Rat liver Lane 2: Human liver

Background

Arginase I (also designated liver-type arginase), which is expressed almost exclusively in the liver, catalyzes the conversion of arginine to ornithine and urea. The human arginase I gene, which maps to chromosome 6q23, encodes a 322 amino acid protein. Arginase I exists as a homotrimeric protein and contains a binuclear manganese cluster. Arginase II catalyzes the same reaction as arginase I, but differs in its tissue specificity and

subcellular location. Specifically, arginase II localizes to the mitochondria. Arginase II is expressed in non-hepatic tissues, with the highest levels of expression in the kidneys, but, unlike arginase I, is not expressed in liver. The human arginase II gene, which maps to chromosome 14q24.1-q24.3, encodes a 354 amino acid protein. In addition, arginase II contains a putative amino-terminal mitochondrial localization sequence.

References

Note: This product is for in vitro research use only