
Product Name: Arg2 Rabbit Monoclonal Antibody**Catalog #: AMRe87167**

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC,IP
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% protective protein. Stable for 12 months from date of receipt.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:500,IP 1:20-1:50
Molecular Weight	Calculated MW:39 kDa; Observed MW:39 kDa

Antigen Information

Gene Name	Arg2
Alternative Names	Arginase II; Kidney-type arginase; Non-hepatic arginase; Type II arginase
Gene ID	384
SwissProt ID	P78540
Immunogen	A synthetic peptide of human Arg2

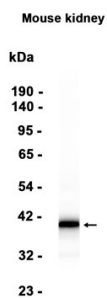
Background

Arginase catalyzes the hydrolysis of arginine to ornithine and urea. At least two isoforms of mammalian arginase exists (types I and II) which differ in their tissue distribution, subcellular localization, immunologic crossreactivity and physiologic function.

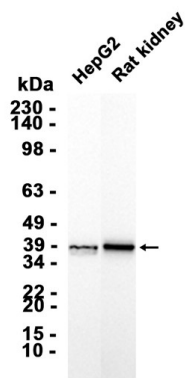
The type II isoform encoded by this gene, is located in the mitochondria and expressed in extra-hepatic tissues, especially kidney. The physiologic role of this isoform is poorly understood; it is thought to play a role in nitric oxide and polyamine metabolism. Transcript variants of the type II gene resulting from the use of alternative polyadenylation sites have been described. [provided by RefSeq, Jul 2008]

Research Area

Image Data



Western blot analysis of extracts from Mouse kidney tissue using Arg2 Rabbit Monoclonal Antibody at 1:1000.



Western blot analysis of extracts from HepG2 cells and Rat kidney tissue using AMRe87167 at 1:1000.