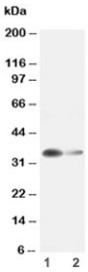
Arginase 1 Polyclonal Antibody (R30878)

Catalog No.	Formulation	Size
R30878	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

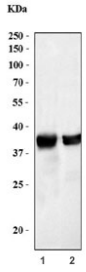
Citations (1)

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P07824
Applications	Western blot: 0.5-1ug/ml
Limitations	This Arginase 1 Polyclonal Antibody is available for research use only.



Western blot testing of Arginase 1 Polyclonal Antibody and Lane 1: rat liver ; 2: rat kidney lysate. Predicted molecular weight ~35 kDa.



Western blot testing of 1) rat liver and 2) mouse liver lysate with Arginase 1 Polyclonal Antibody. Predicted molecular weight ~35 kDa.

Description

Arginase 1 Polyclonal Antibody detects Arginase, a cytosolic enzyme and expressed predominantly in the liver as a component of the urea cycle. The isoform encoded by ARG1, referred to as the liver, or A-I, isoform, contributes 98% of the arginase activity in liver but is also present in red cells. Using a rat ARG1 cDNA clone to probe a human liver cDNA library, Haraguchi et al.(1987) isolated and characterized a cDNA corresponding to the gene. By immunologic studies, 90% of the arginase in red blood cells and liver was precipitated by an Arginase 1 antibody, whereas only 50% of the arginase in kidney, brain, and the gastrointestinal tract reacted with it. Inherited deficiency of this enzyme results in argininemia, an autosomal recessive disorder characterized by hyperammonemia. Two transcript variants encoding different isoforms have been found for this gene.

Explore our protein microarray-validated Arginase 1 Antibody ARG1/1125 for investigating ARG1 expression, hepatocellular differentiation, and arginine metabolism.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Arginase 1 Polyclonal Antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Amino acids 307-323 (KREGNHKPETDYLKPPK-rat) were used as the immunogen for this Arginase 1 antibody.

Storage

After reconstitution, the Arginase 1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Alternate Names

ARG1 antibody, Arginase I antibody, Liver Arginase antibody, Arginase Type 1 antibody, Hepatic Arginase antibody, Arginase-1 antibody, L-Arginine Ureohydrolase antibody

Copyright © NSJ Bioreagents. All rights reserved.