

Recombinant Arginase-1 Monoclonal Antibody

catalog number: **AN300873L**

Note: Centrifuge before opening to ensure complete recovery of vial contents.

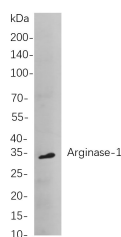
Description

Reactivity	Human;Mouse;Rat
Immunogen	Recombinant Human Arginase-1 protein
Host	Rabbit
Isotype	IgG, κ
Clone	4D1
Purification	Protein A
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

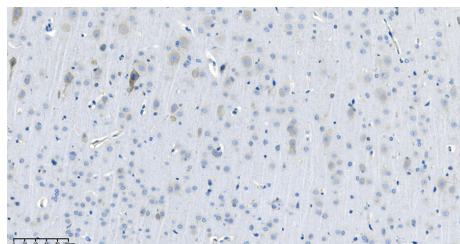
Applications	Recommended Dilution
IHC	1:200-1:1000
WB	1:2000-1:10000

Data



Western Blot with Recombinant Arginase-1 Monoclonal Antibody at dilution of 1:1000 dilution. Lane A: huh-7 cells.

Observed-MW:35 kDa
Calculated-MW:35 kDa



Immunohistochemistry of paraffin-embedded rat brain using Recombinant Arginase-1 Monoclonal Antibody at dilution of 1:200.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

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. 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.

For Research Use Only