

Arginase-2 Recombinant antibody

Cat: B36459S

Company: HaoKebio

Uniprot ID: P78540

Applications: IHC:1:1000-1:4000

Organism: Rabbit

IHC-Polymer:1:4000-1:16000

Species reactivity: Human Mouse

IHC-TSA:1:5000-1:20000

Molecular Weight Calculation: 39 kDa

IF:1:50-1:200

Observed Molecular Weight: 39 kDa

WB:1:5000-1:50000

Background:

Arginase 2 is composed of 354 amino acid residues, including an NH₂-terminal presequence for mitochondrial targeting and import. In the mitochondria, ornithine generated by Arginase 2 will give rise to glutamate via ornithine aminotransferase (OAT). Glutamate participates in several transamination reactions, including forming α -ketoglutarate (α KG) that may enter the TCA cycle and increase cycle intermediates and flux. Arginase 1 is mainly expressed in hepatocytes, and mice with a disruption of Arginase 1 gene die soon after birth. Arginase 2 is poorly expressed in hepatocytes, and most highly expressed in kidney, prostate, and immune cells such as monocyte/macrophages.

Synonyms:

ARG2, 242362A9, ARG 2, Arginase 2, Arginase II

Immunogen:

Recombinant protein

Isotype:

IgG

Subcellular location:

Cytoplasm

Purity:

Affinity purification

Form:

Liquid

Storage Buffer:

PBS with 0.02% sodium azide, 100 μ g/ml BSA and 50% glycerol.

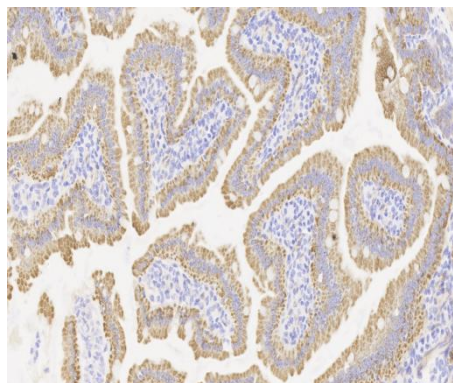
Storage:

Store at -20 °C for one year.

Experimental procedure:

Antigen retrieval: Citrate buffer (pH 9.0), Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes. Incubate antibody, 4°C overnight. Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

Images:



Sample: Mouse intestine, 4% PFA 12-24h

Source of Reagents:

发表[中文论文]请标注:Arginase-2(B36459S)由杭州浩克生物技术有限公司提供;

发表[英文论文]请标注:Arginase-2(B36459S) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.