

For Research Use Only

Arginase-2 Recombinant antibody

Catalog Number: 84808-5-RR



Basic Information

Catalog Number:

84808-5-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6609

GenBank Accession Number:

BC001350

GeneID (NCBI):

384

UNIPROT ID:

P78540

Full Name:

arginase, type II

Calculated MW:

39 kDa

Observed MW:

39 kDa

Purification Method:

Protein A purification

CloneNo.:

242362A9

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : U-251 cells, K-562 cells, Caco-2 cells,

Background Information

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. (PMID: 25234945, PMID: 27214549)

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

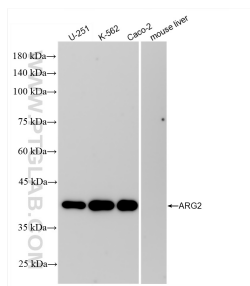
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84808-5-RR (Arginase-2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. Mouse liver tissue as a negative control.