

For Research Use Only

Arginase-2 Recombinant antibody

Catalog Number: 84808-5-RR



Basic Information

Catalog Number: 84808-5-RR	GenBank Accession Number: BC001350	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 384	CloneNo.: 242362A9
Source: Rabbit	UNIPROT ID: P78540	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: arginase, type II	
Immunogen Catalog Number: AG6609	Calculated MW: 39 kDa	
	Observed MW: 39 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : U-251 cells, K-562 cells, Caco-2 cells,
Species Specificity: human, mouse	

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 (αKG) 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

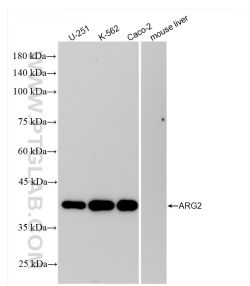
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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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.