

For Research Use Only

# Arginase-2 Recombinant antibody, PBS Only

Catalog Number: 84808-5-PBS



## Basic Information

Catalog Number: 84808-5-PBS	GenBank Accession Number: BC001350	Purification Method: Protein A purification
Concentration: 1 mg/ml	GeneID (NCBI): 384	CloneNo.: 242362A9
Source: Rabbit	UNIPROT ID: P78540	
Isotype: IgG	Full Name: arginase, type II	
Immunogen Catalog Number: AG6609	Calculated MW: 39 kDa	
	Observed MW: 39 kDa	

## Applications

Tested Applications:  
WB, Indirect ELISA

Species Specificity:  
human, mouse

## Background Information

Arginase 2 is composed of 354 amino acid residues, including an NH<sub>2</sub>-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  $\alpha$ -ketoglutarate ( $\alpha$  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 -80°C.  
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:  
PBS Only

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

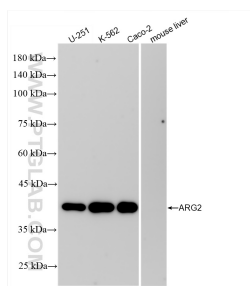
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.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. This data was developed using the same antibody clone with 84808-5-PBS in a different storage buffer formulation.