

For Research Use Only

# ARG2 Polyclonal antibody

Catalog Number: 14825-1-AP

Featured Product

9 Publications



## Basic Information

<b>Catalog Number:</b> 14825-1-AP	<b>GenBank Accession Number:</b> BC001350	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 700 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 384	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> arginase, type II	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 39 kDa	
<b>Immunogen Catalog Number:</b> AG6609	<b>Observed MW:</b> 39-42 kDa	

## Applications

**Tested Applications:**  
IHC, WB, ELISA

**Cited Applications:**  
IF, IHC, WB

**Species Specificity:**  
human, mouse, rat

**Cited Species:**  
human, rat, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB:** Caco-2 cells, HEK-293 cells, mouse liver tissue, rat liver tissue

**IHC:** human prostate cancer tissue, human kidney tissue

## Background Information

ARG2(Arginase-2, mitochondrial) is also named as kidney-type arginase, non-hepatic arginase and belongs to the arginase family. It may play a role in the regulation of extra-urea cycle arginine metabolism and also in down-regulation of nitric oxide synthesis.

## Notable Publications

Author	Pubmed ID	Journal	Application
Hagai Tavori	25183802	J Lipid Res	WB
Lu Gao	30889486	Biomed Pharmacother	WB
Katherine M Halloran	35098299	Biol Reprod	IHC

## 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

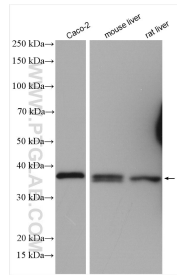
For technical support and original validation data for this product please contact:

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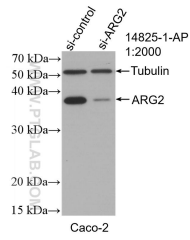
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 14825-1-AP (ARG2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



WB result of ARG2 antibody (14825-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ARG2 transfected Caco-2 cells.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 14825-1-AP (ARG2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).