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anti-ARG2 antibody (Arg2)





Overview

Quantity:	100 μL
Target:	ARG2
Binding Specificity:	Arg2
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This ARG2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	Arginase 2 (ARG2) Rabbit mAb
Immunogen:	Recombinant protein of human Arginase 2 (Arginase 2 (ARG2)).
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	ARG2
Alternative Name:	Arg2 (ARG2 Products)

Target Details

Background:

Arginase catalyzes the hydrolysis of arginine to ornithine and urea. At least two isoforms of mammalian arginase exists (types I and II) which differ in their tissue distribution, subcellular localization, immunologic crossreactivity and physiologic function. The type II isoform encoded by this gene, is located in the mitochondria and expressed in extra-hepatic tissues, especially kidney. The physiologic role of this isoform is poorly understood, it is thought to play a role in nitric oxide and polyamine metabolism. Transcript variants of the type II gene resulting from the use of alternative polyadenylation sites have been described.,ARG2, arginase 2,Signal Transduction,Endocrine & Metabolism,Amino acid metabolism,Arg2

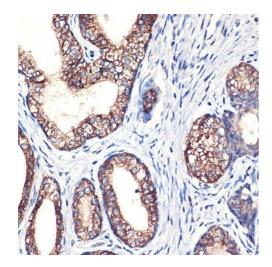
Molecular Weight:	39kDa
Gene ID:	384
UniProt:	P78540

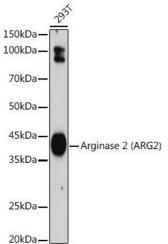
Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.





Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human prostate cancer using Arginase 2 (Arginase 2) Rabbit mAb (ABIN7265661) at dilution of 1:100 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

Western Blotting

Image 2. Western blot analysis of extracts of 293T cells, using Arginase 2 (Arginase 2) antibody (ABIN7265661) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 μg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 180s.