

Datasheet for ABIN7144586
anti-ARG2 antibody (AA 1-354)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µL
Target:	ARG2
Binding Specificity:	AA 1-354
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ARG2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunoprecipitation (IP)

Product Details

Immunogen:	Recombinant Human Arginase-2, mitochondrial protein (1-354AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	Antigen Affinity purified

Target Details

Target:	ARG2
Alternative Name:	ARG2 (ARG2 Products)
Background:	Background: May play a role in the regulation of extra-urea cycle arginine metabolism and also in down-regulation of nitric oxide synthesis. Extrahepatic arginase functions to regulate L-

Target Details

arginine bioavailability to NO synthase. Since NO synthase is found in the penile corpus cavernosum smooth muscle, the clitoral corpus cavernosum and the vagina, arginase II plays a role in both male and female sexual arousal. It is therefore a potential target for the treatment of male and female sexual arousal disorders.

Aliases: ARG2 antibody, ARG12_HUMAN antibody, Arginase II mitochondrial antibody, Arginase type II antibody, Arginase-2 antibody, arginase-2, mitochondrial antibody, Kidney arginase antibody, Kidney type arginase antibody, Kidney-type arginase antibody, L arginine amidinohydrolase antibody, L arginine ureahydrolase antibody, mitochondrial antibody, Non hepatic arginase antibody, Non-hepatic arginase antibody, Nonhepatic arginase antibody, Type II arginase antibody

UniProt: [P78540](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200, IP:1:200-1:2000,

Restrictions: For Research Use only

Handling

Format: Liquid

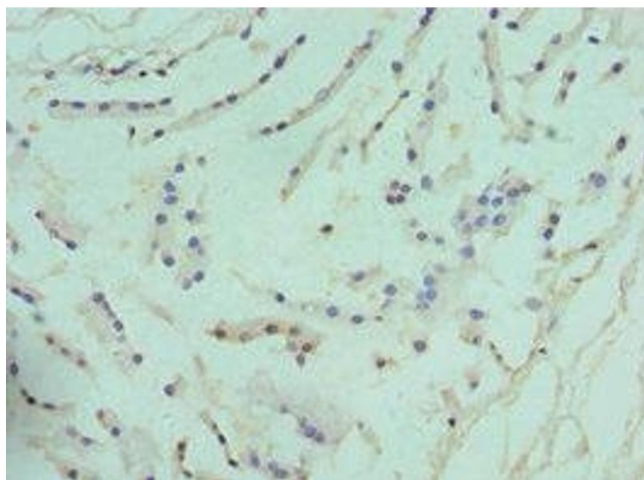
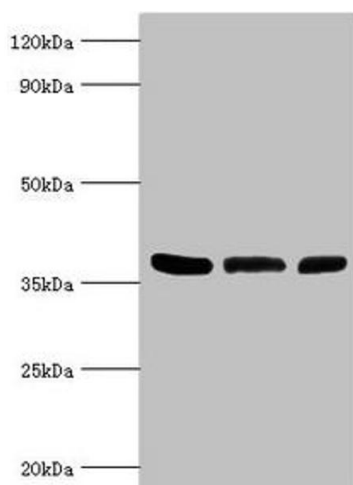
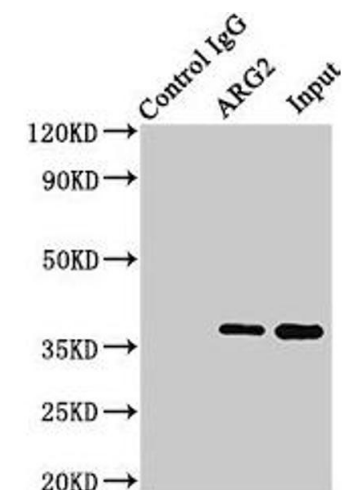
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

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, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Western Blotting

Image 1. Immunoprecipitating ARG2 in HEK293 whole cell lysate Lane 1: Rabbit control IgG (1 μ g) instead of ABIN7144586 in HEK293 whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000) Lane 2: ABIN7144586 (8 μ g) + HEK293 whole cell lysate (500 μ g) Lane 3: HEK293 whole cell lysate (10 μ g)

Western Blotting

Image 2. Western blot All lanes: ARG2 antibody at 5 μ g/mL Lane 1: Mouse liver tissue Lane 2: 293T whole cell lysate Lane 3: Mouse kidney tissue Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 39 kDa Observed band size: 39 kDa

Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human prostate tissue using ABIN7144586 at dilution of 1:100

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7144586.