

Rabbit anti-Human, Mouse Arginase-2 Polyclonal Antibody | anti-ARG2 antibody

Rabbit anti-human Arginase-2, mitochondrial polyclonal Antibody(ARG2)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA119675	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot, ELISA

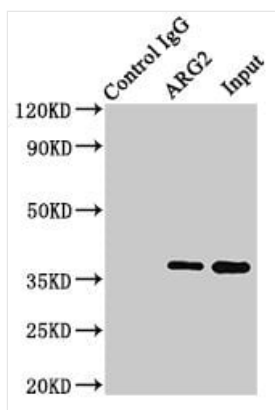
PRODUCT SYNONYMS

Arginase-2; Polyclonal Antibody; Rabbit anti-human Arginase-2; mitochondrial polyclonal Antibody(ARG2); Kidney-type arginase; Non-hepatic arginase; Type II arginase; ARG2; anti-ARG2 antibody

PRODUCT SPECIFICATIONS

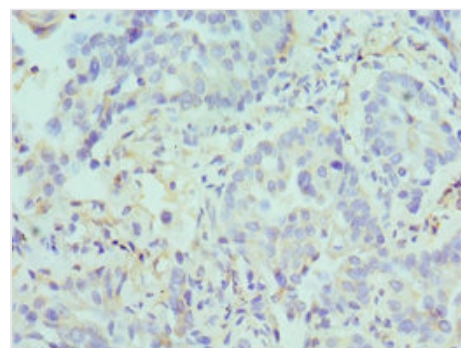
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Sequence Length	354
Applicable Applications for anti-ARG2 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Conjugate	Non-conjugated
Immunogen	Recombinant human Arginase-2, mitochondrial protein (1-354aa)
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-18360 / sc-18357 / sc-20151
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



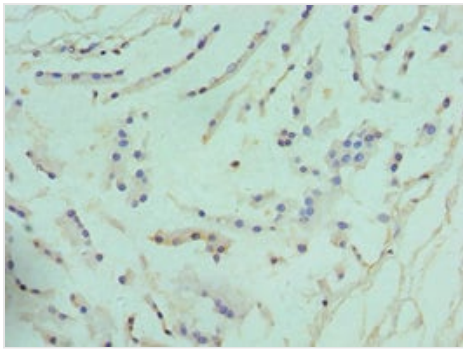
IP (Immunoprecipitation)

Immunoprecipitating ARG2 in HEK293 whole cell lysate Lane 1: Rabbit control IgG (1ug) instead of AAA119675 in HEK293 whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000) Lane 2: AAA119675 (8ug)+ HEK293 whole cell lysate (500ug) Lane 3: HEK293 whole cell lysate (10ug)

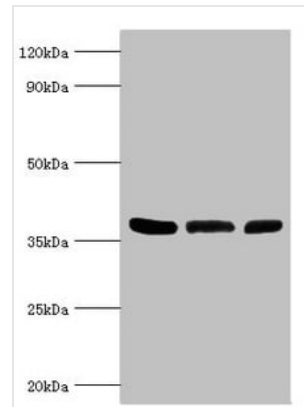


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human lung cancer using AAA119675 at dilution 1:100



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human prostate using AAA119675 at dilution 1:100



WB (Western Blot)
All lanes: Arginase-2, mitochondrial antibody at 5ug/ml
Lane 1: mouse liver tissue
Lane 2: 293T whole cell lysate
Lane 3: mouse kidney tissue
Secondary: Goat polyclonal to rabbit at 1/10000 dilution
Predicted band size: 39kDa
Observed band size: 39kDa

ADDITIONAL INFORMATION

Related Product Information for anti-ARG2 antibody	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-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.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502215
NCBI GeneID	384
NCBI Accession #	NP_001163.1
NCBI GenBank Nucleotide #	NM_001172.3
UniProt Accession #	P78540; Q6FHY8; B2R690
Molecular Weight	38,578 Da
NCBI Official Full Name	arginase-2, mitochondrial
NCBI Official Synonym Full Names	arginase 2
NCBI Official Symbol	ARG2
NCBI Protein Information	arginase-2, mitochondrial
UniProt Protein Name	Arginase-2, mitochondrial
UniProt Gene Name	ARG2
UniProt Entry Name	ARGI2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.