

Rabbit ARG1/Arginase 1 Monoclonal Antibody | anti-ARG1 antibody

Anti-ARG1/Arginase 1 Rabbit Monoclonal Antibody

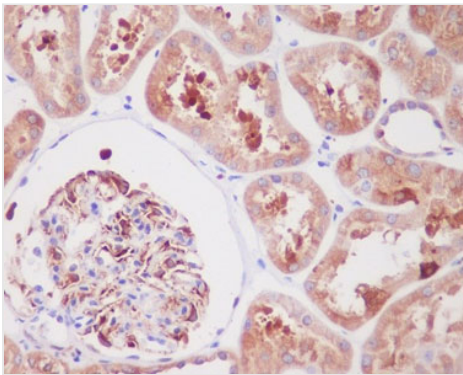
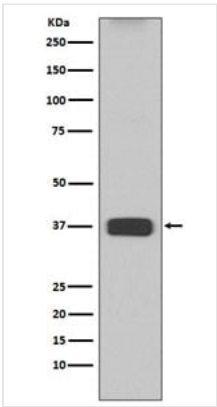
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA47024	Rabbit	Human, Mouse, Rat	Western Blot, Immunoprecipitation

PRODUCT SYNONYMS

ARG1/Arginase 1; Monoclonal Antibody; Anti-ARG1/Arginase 1 Rabbit Monoclonal Antibody; Arginase-1; 3.5.3.1; Liver-type arginase; Type I arginase; ARG1; anti-ARG1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	ADG-1
Purity/Purification	Affinity-chromatography
Form/Format	Liquid; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	0.5-1mg/ml, actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure. (varies by lot)
Sequence Length	236
Applicable Applications for anti-ARG1 antibody	WB (Western Blot), IP (Immunoprecipitation)
Immunogen	A synthesized peptide derived from human ARG1
Conjugate	No
Preparation and Storage	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human kidney, using ARG1 Antibody(AAA47024)ARG1 was detected in paraffin-embedded tissue section. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-ARG1 Antibody (AAA47024)overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

WB (Western Blot)

Western blot analysis of ARG1 expression in Mouse liver lysate (AAA47024).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-ARG1 monoclonal antibody overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for ARG1

ADDITIONAL INFORMATION

Related Product Information for anti-ARG1 antibody	Anti-ARG1 Rabbit Monoclonal Antibody tested for IP, WB in Human, Mouse, Rat
Product Categories/Family for anti-ARG1 antibody	Neuroscience; Neurology Process; neuroendocrinology; gh regulation; Biochemicals; Product Range; just add water; Chemical Type; bioactive peptides; Pharmacology; Receptors & transporters; peptide Receptors; ghrelin; agonists

NCBI AND UNIPROT INFORMATION

NCBI GI #	10947139
NCBI GeneID	383
NCBI Accession #	NP_000036.2
NCBI GenBank Nucleotide #	NM_000045.3
UniProt Accession #	P05089; Q5JWT5; Q5JWT6; Q8TE72; Q9BS50; A6NEA0
NCBI Official Full Name	arginase-1 isoform 2
NCBI Official Synonym Full Names	arginase 1
NCBI Official Symbol	ARG1
NCBI Protein Information	arginase-1
UniProt Protein Name	Arginase-1
UniProt Gene Name	ARG1

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.