

Rabbit anti-Human Arginase 2 (ARG2) Monoclonal Antibody | anti-ARG2 antibody

Arginase 2 (ARG2) Rabbit mAb

CATALOG # AAA282699	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

Arginase 2 (ARG2); Monoclonal Antibody; Arginase 2 (ARG2) Rabbit mAb; ARG2; arginase 2; anti-ARG2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	FDPTLPATG TPVVGGLTYR EGMVIAEEIH NTGLLSALDL VEVNPQLATS EEEAKTTANL AVDVIASSFG QTREGGHIVY DQLPTSSPD ESENQARVRI
Applicable Applications for anti-ARG2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 255-354 of human Arginase 2 (ARG2)(P78540).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human prostate cancer using Arginase 2 (Arginase 2 (ARG2)) Rabbit mAb (AAA282699) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



WB (Western Blot)

Western blot analysis of lysates from 293T cells, using Arginase 2 (ARG2) Rabbit mAb (AAA282699) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.

ADDITIONAL INFORMATION

Related Product Information for anti-ARG2 antibody	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.
Product Categories/Family for anti-ARG2 antibody	Signal Transduction; Endocrine Metabolism; Amino acid metabolism; Antibodies

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	Calculated MW: 39kDa Observed MW: 40kDa
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/arginase-2-arg2-antibody-immunohistochemistry-western-blot-elisa/282699>