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# Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

## Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

## Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand


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# ARG2 Antibody - C-terminal region : Biotin (ARP54567_P050-Biotin)

Data Sheet

| | |
|---|---|
| Product Number | ARP54567_P050-Biotin |
| **Product Page** | www.avivasysbio.com/arg2-antibody-c-terminal-region-biotin-arp54567-p050-biotin.html |
| **Name** | ARG2 Antibody - C-terminal region : Biotin (ARP54567_P050-Biotin) |
| **Protein Size (# AA)** | 354 amino acids |
| **Molecular Weight** | 39kDa |
| **Conjugation** | Biotin |
| **NCBI Gene Id** | 384 |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Concentration** | 0.5 mg/ml |
| **Gene Full Name** | Arginase, type II |
| **Alias Symbols** | - |
| **Peptide Sequence** | Synthetic peptide located within the following region: SALDLVEVNPQLATSEEEAKTTANLAVDVIASSFGQTREGGHIVYDQLPT |
| **Product Format** | Liquid. Purified antibody supplied in 1x PBS buffer. |
| **Reference** | Mumenthaler,S.M., (2008) Int. J. Oncol. 32 (2), 357-365 |
| **Description of Target** | 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. ARG2 (type II isoform) 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.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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. |
| **Protein Interactions** | UBC; ARG1; |
| **Reconstitution and Storage** | All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding. |
| **Datasheets/Manuals** | Printable datasheet for anti-ARG2 (ARP54567_P050-Biotin) antibody |
| **Blocking Peptide** | For anti-ARG2 (ARP54567_P050-Biotin) antibody is Catalog # AAP54567 (Previous Catalog # AAPP31351) |
| **Immunogen** | The immunogen is a synthetic peptide directed towards the C terminal region of human ARG2 |
| **Uniprot ID** | P78540 |
| **Protein Name** | Arginase-2, mitochondrial |
| **Publications** | Lukasova, M., Malaval, C., Gille, A., Kero, J. & Offermanns, S. Nicotinic acid inhibits progression of atherosclerosis in mice through its receptor GPR109A expressed by immune cells. J. Clin. Invest. 121, 1163-73 (2011). **WB, IHC, Dog, Bovine, Pig, Rat, Mouse, Human, Rabbit, Guinea pig, Horse** 21317532 |
| **Sample Type Confirmation** | ARG2 is supported by BioGPS gene expression data to be expressed in Jurkat |

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|---|---|
| **Protein Accession #** | NP_001163 |
| **Purification** | Affinity Purified |
| **Nucleotide Accession #** | NM_001172 |
| **Gene Symbol** | ARG2 |
| **Predicted Species Reactivity** | Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Pig, Rabbit |
| **Application** | WB |
| **Predicted Homology Based on Immunogen Sequence** | Cow: 100%; Dog: 100%; Guinea Pig: 93%; Horse: 87%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 93%; Rat: 100% |
| **Image 1** |  |

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