# ARG2 rabbit monoclonal antibody

Catalog # H00000384-K Size 100 ug x up to 3

## Specification

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| **Product Description** | Rabbit monoclonal antibody raised against a human ARG2 peptide using ARM Technology. |
| **Immunogen** | A synthetic peptide of human ARG2 is used for rabbit immunization.<br>Customer or Abnova will decide on the preferred peptide sequence. |
| **Host** | Rabbit |
| **Library Construction** | Non-fusion antibody library from rabbit spleen (ARM Technology). |
| **Expression** | Overexpression vector and transfection into 293H cell line. |
| **Reactivity** | Human |
| **Purification** | Protein A |
| **Isotype** | IgG |
| **Quality Control Testing** | Antibody reactive against human ARG2 peptide by ELISA and mammalian transfected lysate by We stern Blot. |
| **Storage Buffer** | In 1x PBS, pH 7.4 |
| **Storage Instruction** | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |
| **Deliverable** | Up to three rabbit IgG clones of 100 ug each will be delivered to customer. |
| **Note** | 1. Customer may provide cell or tissue lysate for antibody screening.<br>2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering in cluding $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request. |

## Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

## Gene Info — ARG2

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| **Entrez GeneID** | 384 |
| **GeneBank Accession#** | ARG2 |
| **Gene Name** | ARG2 |
| **Gene Alias** | - |
| **Gene Description** | arginase, type II |
| **Omim ID** | 107830 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | Arginase catalyzes the hydrolysis of arginine to ornithine and urea. At least two isoforms of mam malian arginase exists (types I and II) which differ in their tissue distribution, subcellular localizatio n, 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 phys iologic role of this isoform is poorly understood; it is thought to play a role in nitric oxide and polya mine metabolism. Transcript variants of the type II gene resulting from the use of alternative polya denylation sites have been described. [provided by RefSeq |
| **Other Designations** | A-II\|L-arginine amidinohydrolase\|L-arginine ureahydrolase\|kidney arginase\|nonhepatic arginase |

## Pathway

- Arginine and proline metabolism
- Biosynthesis of alkaloids derived from ornithine
- Metabolic pathways

## Disease

- Asthma
- Genetic Predisposition to Disease
- Hypersensitivity

- Lung Neoplasms
- Pulmonary Disease