

## Anti-Liver Arginase Rabbit Monoclonal Antibody

### Introduction

Arginase catalyzes the hydrolysis of arginine to ornithine and urea. At least two isoforms of mammalian arginase exist (types I and II) which differ in their tissue distribution, subcellular localization, immunologic crossreactivity and physiologic function. The type I isoform encoded by this gene, is a cytosolic enzyme and expressed predominantly in the liver as a component of the urea cycle. Inherited deficiency of this enzyme results in argininemia, an autosomal recessive disorder characterized by hyperammonemia.

### Product parameters

|                   |   |
|-------------------|---|
| Alternative Names | ARG1; Type I arginase; Arginase-1; Liver-type arginase  |
| Gene ID           | 383   |
| Gene Name         | ARG1  |
| SwissProt ID      | P05089  |
| Host              | Rabbit  |
| Reactivity        | Human   |
| Molecular Weight  | Calculated MW: 35 kDa; Observed MW: 35 kDa  |
| Conjugation       | Unconjugated  |
| Ex                | -   |
| Em                | -   |
| Modification      | Unmodified  |
| Clonality         | IgG   |
| Isotype           | Monoclonal Antibody   |
| Clonality No.     | AP-3E2H1  |
| Form              | Liquid  |
| Concentration     | See label   |
| Carrier           | Carrier Free  |
| Immunogen         | A synthesized peptide derived from human Liver Arginase   |
| Purification      | Affinity Chromatography   |
| Buffer System     | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Application       | WB, IHC-P, ICC/IF, IP   |
| Dilution Ratio    | WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 IP: 1/30  |
| Research Field    | Signal Transduction   |

|                    |                                  |
|--------------------|----------------------------------|
| Product Categories | Primary antibody                 |
| Shipping           | Blue ice                         |
| Storage            | -20°C                            |
| Expiration Date    | 12 months                        |
| Note               | Please avoid freeze-thaw cycles. |



## Protocol

Configure the product according to the application range and recommended dilution ratio.

**\*Note:** The primary antibody dilution buffer options: WB - Primary Antibody Dilution Buffer (Cat. #: K1200, Not for HRP/AP conjugated antibodies), Immunostaining - Immunol Staining Primary Antibody Dilution Solution (Cat. #: K4655).

## Note

1. This product is for scientific research use only.



**APExBIO Technology**

**[www.apexbt.com](http://www.apexbt.com)**

7505 Fannin street, Suite 410, Houston, TX 77054.

Tel: +1-832-696-8203 | Fax: +1-832-641-3177 | Email: [info@apexbt.com](mailto:info@apexbt.com)

