

## Anti-ENO1 Rabbit Monoclonal Antibody

### Introduction

Multifunctional enzyme that, as well as its role in glycolysis, plays a part in various processes such as growth control, hypoxia tolerance and allergic responses. May also function in the intravascular and pericellular fibrinolytic system due to its ability to serve as a receptor and activator of plasminogen on the cell surface of several cell-types such as leukocytes and neurons. Stimulates immunoglobulin production. MBP1 binds to the myc promoter and acts as a transcriptional repressor. May be a tumor suppressor. Miscellaneous Used as a diagnostic marker for many tumors and, in the heterodimeric form, alpha/gamma, as a marker for hypoxic brain injury after cardiac arrest. Also marker for endometriosis. Antibodies against alpha-enolase are present in sera from patients with cancer-associated retinopathy syndrome (CAR), a progressive blinding disease which occurs in the presence of systemic tumor growth, primarily small-cell carcinoma of the lung and other malignancies. Is identified as an autoantigen in Hashimoto encephalopathy (HE) a rare autoimmune disease associated with Hashimoto thyroiditis (HT). HT is a disorder in which destructive processes overcome the potential capacity of thyroid replacement leading to hypothyroidism.

### Product parameters

|                   |                                            |
|-------------------|--------------------------------------------|
| Alternative Names | NNE; PPH; MPB1; ENO1L1; HEL-S-17           |
| Gene ID           | 2023                                       |
| Gene Name         | ENO1                                       |
| SwissProt ID      | P06733                                     |
| Host              | Rabbit                                     |
| Reactivity        | Human, Mouse, Rat                          |
| Molecular Weight  | Calculated MW: 47 kDa; Observed MW: 47 kDa |
| Conjugation       | Unconjugated                               |
| Ex                | -                                          |
| Em                | -                                          |
| Modification      | Unmodified                                 |
| Clonality         | IgG                                        |
| Isotype           | Monoclonal Antibody                        |
| Clonality No.     | AP-16H11E12                                |
| Form              | Liquid                                     |
| Concentration     | See label                                  |

|                    |                                                                                         |
|--------------------|-----------------------------------------------------------------------------------------|
| Carrier            | Carrier Not Free                                                                        |
| Immunogen          | A synthetic peptide of human ENO1                                                       |
| Purification       | Affinity Purified                                                                       |
| Buffer System      | 50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA. |
| Application        | WB, IHC-F, IHC-P, ICC/IF, IP                                                            |
| Dilution Ratio     | WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 IP: 1/20                                |
| 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)

