

## ENO1 RABBIT MAB

**Cat.#:** N261761

**Product Name:** Anti-ENO1 Rabbit Monoclonal Antibody

**Synonyms:** NNE; PPH; MPB1; ENO1L1; HEL-S-17

**UNIPROT ID:** P06733

**Background:** 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.

**Immunogen:** A synthetic peptide of human ENO1

**Applications:** WB, IHC-F, IHC-P, ICC/IF, IP

**Recommended Dilutions:** WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 IP: 1/20

**Host Species:** Rabbit

**Clonality:** Rabbit Monoclonal

**Clone ID:** R01-4C8

**MW:** Calculated MW: 47 kDa; Observed MW: 47 kDa

**Isotype:** IgG

**Purification:** Affinity Purified

**Species Reactivity:** Human, Mouse, Rat

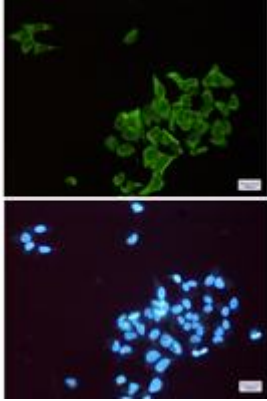
**Conjugation:** Unconjugated

**Modification:** Unmodified

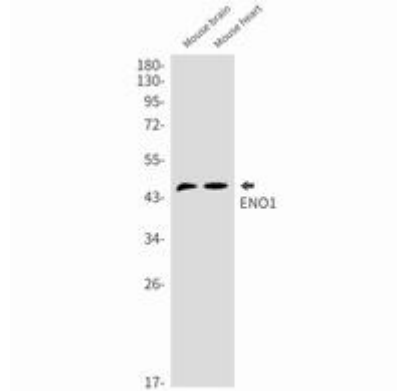
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

**Research Areas:** Signal Transduction

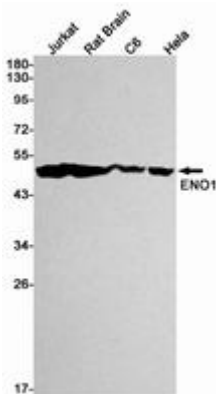
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



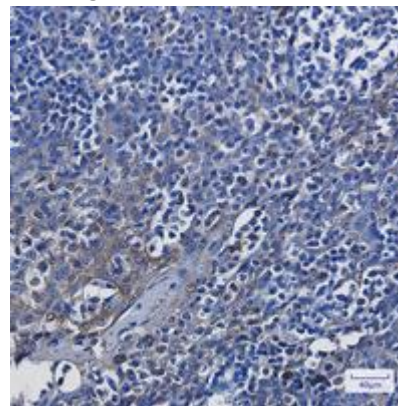
Immunocytochemistry analysis of ENO1 (green) in Hela using ENO1 antibody, and DAPI (blue)



Western blot analysis of ENO1 in mouse brain, mouse heart lysates using ENO1 antibody.



Western blot analysis of ENO1 in Jurkat, rat Brain, C6, Hela lysates using ENO1 antibody.



Immunohistochemistry analysis of paraffin-embedded Human tonsil using ENO1 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.