

Product Name: ENO1 Rabbit Monoclonal Antibody**Catalog #: AMRe85233**

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC,ICC,IP
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	0.49mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in TBS with 0.05% sodium azide,0.05%protective protein and 50% glycerol.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000,IHC 1:50-1:100,ICC 1:50-1:200,IP 1:10-1:20
Molecular Weight	Calculated MW: 47 kDa; Observed MW: 47 kDa

Antigen Information

Gene Name	ENO1
Alternative Names	NNE; PPH; MPB1; ENO1L1; HEL-S-17
Gene ID	2023.0
SwissProt ID	P06733
Immunogen	A synthetic peptide of human ENO1

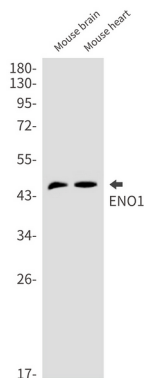
Background

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.

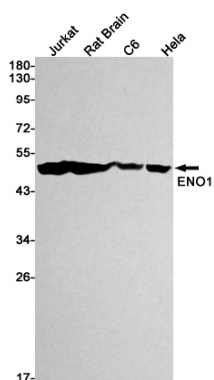
Stimulates immunoglobulin production. MBP1 binds to the myc promoter and acts as a transcriptional repressor. May be a tumor suppressor. Miscellaneous Used as a diagnostic marker for many tumors and, in the heterodimeric form, alpha/gamma, as a marker for hypoxic brain injury after cardiac arrest. Also 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.

Research Area

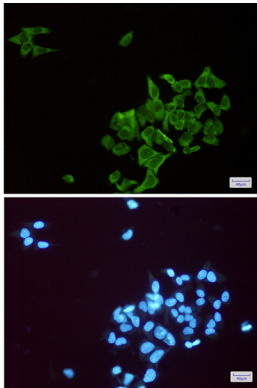
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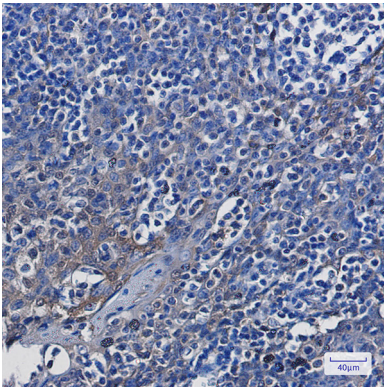
Western blot analysis of ENO1 in mouse brain, mouse heart lysates using ENO1 antibody.



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



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



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