10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ENO1 Antibody
Mouse Monoclonal Antibody (Mab)
Catalog # AM2192b

Specification

ENO1 Antibody - Product Information

Application	**IHC-P, WB,E**
Primary Accession	P06733
Reactivity	**Human, Mouse**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG (k)**

ENO1 Antibody - Additional Information

Gene ID 2023

Other Names
Alpha-enolase, 2-phospho-D-glycerate hydro-lyase, C-myc promoter-binding protein, Enolase 1, MBP-1, MPB-1, Non-neural enolase, NNE, Phosphopyruvate hydratase, Plasminogen-binding protein, ENO1, ENO1L1, MBPB1, MPB1

Target/Specificity
Purified His-tagged ENO1 protein was used to produced this monoclonal antibody.

Dilution
IHC-P~~1:25
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
ENO1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

ENO1 Antibody - Protein Information

Name ENO1

Synonyms ENO1L1, MBPB1, MPB1

Function Glycolytic enzyme the catalyzes the conversion of 2- phosphoglycerate to

phosphoenolpyruvate (PubMed:1369209, PubMed:29775581). In addition to glycolysis, involved in various processes such as growth control, hypoxia tolerance and allergic responses (PubMed:10802057, PubMed:12666133, PubMed:2005901, PubMed:29775581). 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 (PubMed:12666133). Stimulates immunoglobulin production (PubMed:1369209).

Cellular Location
Cytoplasm. Cell membrane. Cytoplasm, myofibril, sarcomere, M line. Note=Can translocate to the plasma membrane in either the homodimeric (alpha/alpha) or heterodimeric (alpha/gamma) form. ENO1 is localized to the M line

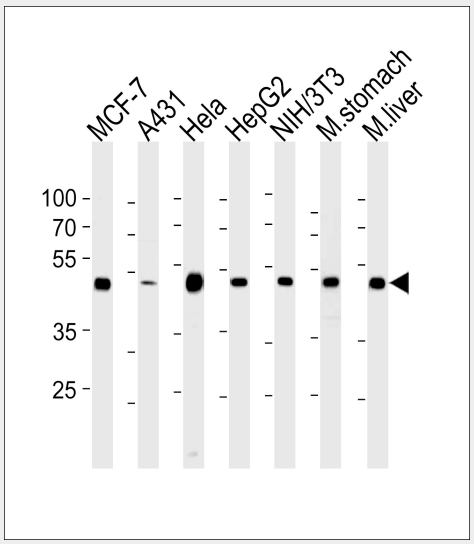
Tissue Location
The alpha/alpha homodimer is expressed in embryo and in most adult tissues. The alpha/beta heterodimer and the beta/beta homodimer are found in striated muscle, and the alpha/gamma heterodimer and the gamma/gamma homodimer in neurons

ENO1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

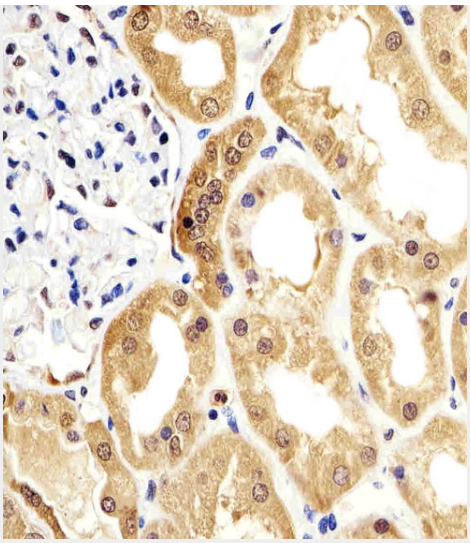
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ENO1 Antibody - Images



ENO1 Antibody (Cat. #AM2192b) western blot analysis in MCF-7,A431,Hela,HepG2,mouse NIH/3T3 cell line and mouse stomach,liver tissue lysates (35µg/lane).This demonstrates the ENO1 antibody detected the ENO1 protein (arrow).

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



Immunohistochemical analysis of paraffin-embedded H. kideny section using ENO1 Antibody(Cat#AM2192b). AM2192b was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.

ENO1 Antibody - 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.

ENO1 Antibody - References

Giallongo A., et al. Proc. Natl. Acad. Sci. U.S.A. 83:6741-6745(1986).
Giallongo A., et al. Eur. J. Biochem. 190:567-573(1990).
Ray R., et al. Mol. Cell. Biol. 11:2154-2161(1991).
Walter M., et al. J. Autoimmun. 8:931-945(1995).
Kalnine N., et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.