

**ENO1 Antibody**  
**Mouse Monoclonal Antibody (Mab)**  
**Catalog # AM2192b**

**Specification**

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**ENO1 Antibody - Product Information**

Application	<b>WB, IHC-P,E</b>
Primary Accession	<a href="#">P06733</a>
Reactivity	<b>Human, Mouse</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>
Isotype	<b>IgG (k)</b>

**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**

WB~~1:1000

IHC-P~~1:25

**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

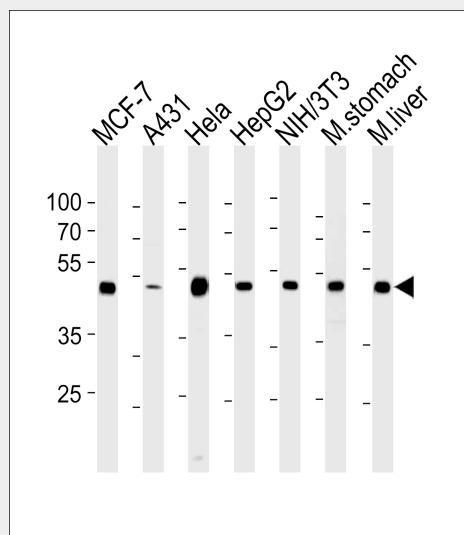
The alpha/alpha homodimer is expressed in embryo and in most adult tissues. The alpha/beta heterodimer and the beta/beta homodimer are found in striated muscle, and the alpha/gamma heterodimer and the gamma/gamma homodimer in neurons

### ENO1 Antibody - Protocols

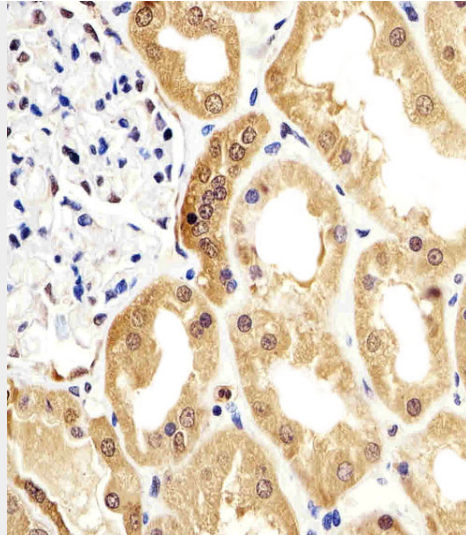
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [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).



Immunohistochemical analysis of paraffin-embedded H. kidney 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.