

**ENO1 / Alpha Enolase Antibody (aa199-434)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS16935**

**Specification**

**ENO1 / Alpha Enolase Antibody (aa199-434) -  
Product Information**

Application	<b>IHC, ICC, WB</b>
Primary Accession	<a href="#">P06733</a>
Other Accession	<a href="#">2023</a>
Reactivity	<b>Human, Mouse</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>47169</b>

**ENO1 / Alpha Enolase Antibody (aa199-434) -  
Additional Information**

**Gene ID 2023**

**Other Names**

ENO1, Alpha Enolase, Alpha enolase like 1, ENO1L1, Enolase 1, MBP-1, MBPB1, MPB1, MYC promoter-binding protein 1, NNE, Phosphopyruvate hydratase, Alpha-enolase, Tau-crystallin, MBP1, MPB-1, C-myc promoter-binding protein, Enolase 1, (alpha), Enolase- ...

**Target/Specificity**

Human ENO1 / Alpha Enolase

**Reconstitution & Storage**

0.1 M Tris-glycine, pH 7.0, 10% glycerol, 0.01% Thimerosal. Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

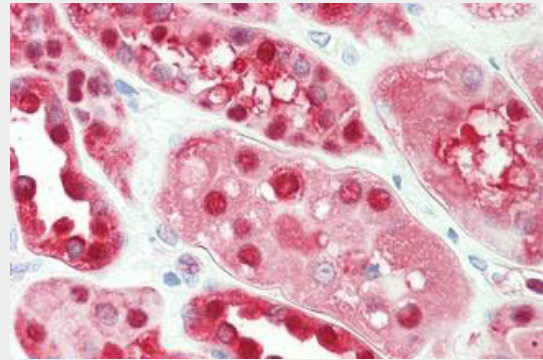
**Precautions**

ENO1 / Alpha Enolase Antibody (aa199-434) is for research use only and not for use in diagnostic or therapeutic procedures.

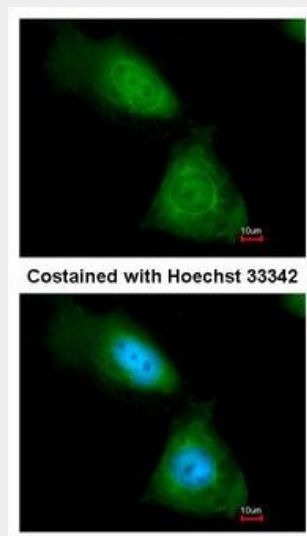
**ENO1 / Alpha Enolase Antibody (aa199-434) -  
Protein Information**

**Name** ENO1

**Synonyms** ENO1L1, MBPB1, MPB1



Anti-ENO1 / Alpha Enolase antibody IHC staining of human kidney.



Immunofluorescence of paraformaldehyde-fixed HeLa using enolase 1 antibody at 1:200 dilution.

### Function

Glycolytic enzyme that catalyzes the conversion of 2-phosphoglycerate to phosphoenolpyruvate (PubMed: <a href="http://www.uniprot.org/citations/29775581" target="\_blank">29775581</a>, PubMed: <a href="http://www.uniprot.org/citations/1369209" target="\_blank">1369209</a>). In addition to glycolysis, involved in various processes such as growth control, hypoxia tolerance and allergic responses (PubMed: <a href="http://www.uniprot.org/citations/2005901" target="\_blank">2005901</a>, PubMed: <a href="http://www.uniprot.org/citations/10802057" target="\_blank">10802057</a>, PubMed: <a href="http://www.uniprot.org/citations/12666133" target="\_blank">12666133</a>, PubMed: <a href="http://www.uniprot.org/citations/29775581" target="\_blank">29775581</a>). 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: <a href="http://www.uniprot.org/citations/12666133" target="\_blank">12666133</a>). Stimulates immunoglobulin production (PubMed: <a href="http://www.uniprot.org/citations/1369209" target="\_blank">1369209</a>).

### Cellular Location

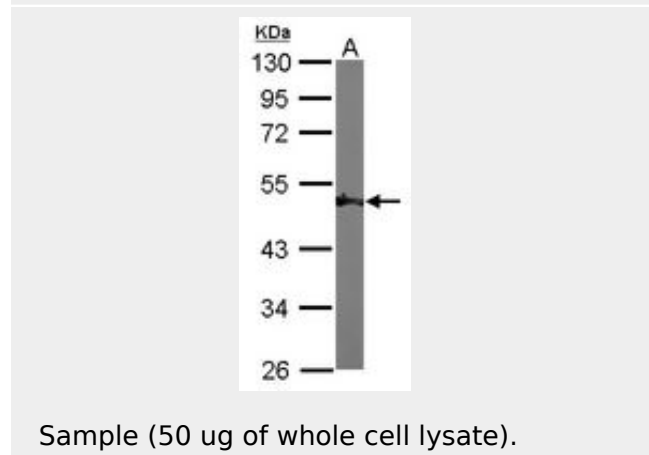
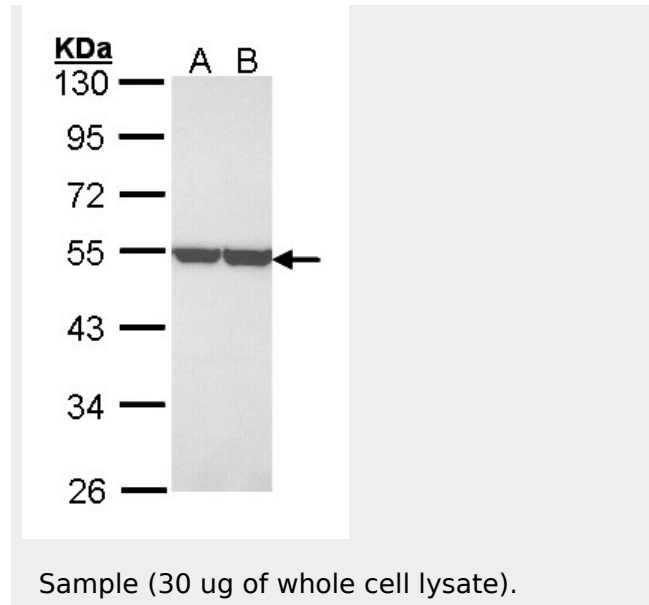
Cytoplasm. Cell membrane. Cytoplasm, myofibril, sarcomere, M line. Note=Can translocate to the plasma membrane in either the homodimeric (alpha/alpha) or heterodimeric (alpha/gamma) form. ENO1 is localized to the M line

### 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

### Volume

50 µl



### ENO1 / Alpha Enolase Antibody (aa199-434) - 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.

### ENO1 / Alpha Enolase Antibody (aa199-434) - 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.

**ENO1 / Alpha Enolase Antibody  
(aa199-434) - Protocols**

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.

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](#)