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ENO1 / Alpha Enolase Antibody (aa199-434)

Rabbit Polyclonal Antibody
Catalog # ALS16935

Specification

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

Application	**IHC, ICC, WB**
Primary Accession	P06733
Other Accession	2023
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**47169**

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

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

target="_blank">12666133, 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

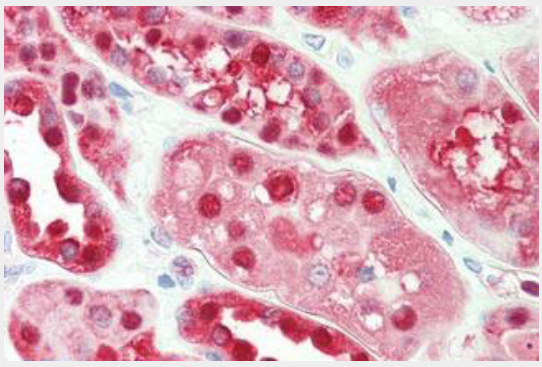
Volume
50 µl

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

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

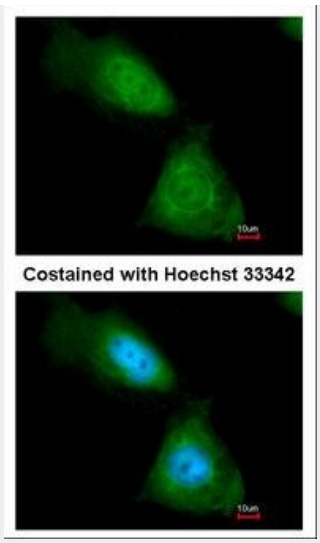
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ENO1 / Alpha Enolase Antibody (aa199-434) - Images

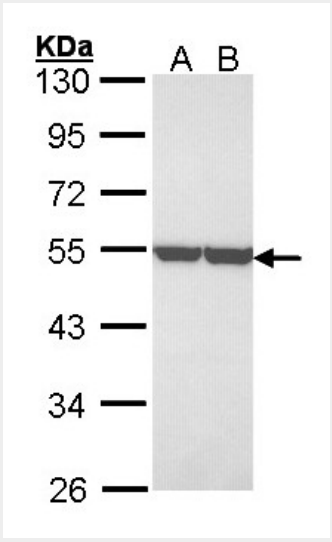


Anti-ENO1 / Alpha Enolase antibody IHC staining of human kidney.

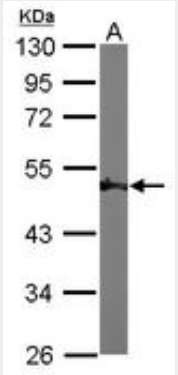
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Immunofluorescence of paraformaldehyde-fixed HeLa using enolase 1 antibody at 1:200 dilution.



Sample (30 ug of whole cell lysate).



Sample (50 ug of whole cell lysate).

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. 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.