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ENO1 Antibody
Rabbit mAb
Catalog # AP90166

Specification

ENO1 Antibody - Product Information

Application	**WB, ICC, IP**
Primary Accession	P06733
Reactivity	**Rat**
Clonality	**Monoclonal**
Other Names	
ENO1;ENO1L1;MBP-1;MPB1;NNE;PPH;	
Isotype	**Rabbit IgG**
Host	**Rabbit**
Calculated MW	**47169 Da**

ENO1 Antibody - Additional Information

Dilution	**WB~~1:1000** **ICC~~N/A** **IP~~N/A**
Purification	**Affinity-chromatography**
Immunogen	**A synthesized peptide derived from human ENO1**
Description	**Enolase is an important glycolytic enzyme involved in the interconversion of 2-phosphoglycerate to phosphoenolpyruvate. Mammalian enolase exists as three subunits: enolase-1 (α-enolase), enolase-2 (γ-enolase) and enolase-3 (β-enolase) that can form both homo- and heterodimers. Expression of the enolase isoforms differs in a tissue specific manner.**
Storage Condition and Buffer	**Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.**

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

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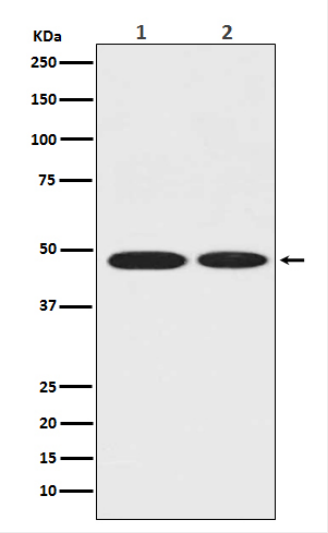

Western blot analysis of ENO1 in (1)MCF-7 whole cell lysate; (2)Rat brain tissue lysate.