

# ENOA Antibody (N-term) (33-60aa)

Catalog No: tcca27129



## Available Sizes

---

**Size:** 100µl



## Specifications

---

**Species Reactivity:**

Human, Mouse, Rat  
Predicted :Bovine, Monkey

**Host Species:**

Rabbit

**Clonality:**

Polyclonal

**Isotype:**

IgG

**Target:**

This ENOA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 33-60 amino acids from the N-terminal region of human ENOA.

**Storage Buffer:**

PBS with 0.09% (W/V) sodium azide.

**Recommended Dilution:**

WB 1:1000 Flow Cytometry 1:10~50 IF 1:10~50

**Tested Application:**

WB, IF, Flow Cytometry

**Storage Instruction:**

Store 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.

**Alternative Names:**

ENO1; ENO1L1; MBPB1; MPB1; Alpha-enolase; 2-phospho-D-glycerate hydro-lyase; C-myc promoter-binding protein;

Enolase 1; MBP-1; MPB-1; Non-neural enolase; Phosphopyruvate hydratase; Plasminogen-binding protein

---

**SwissProt:**

P06733, Q4R5L2, Q9XSJ4

---

**Gene ID:**

2023

---

**Observed Molecular Weight:**

Human =47,37;Mouse =47;Rat=47 KD

---

**Purification:**

Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

---

**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

---

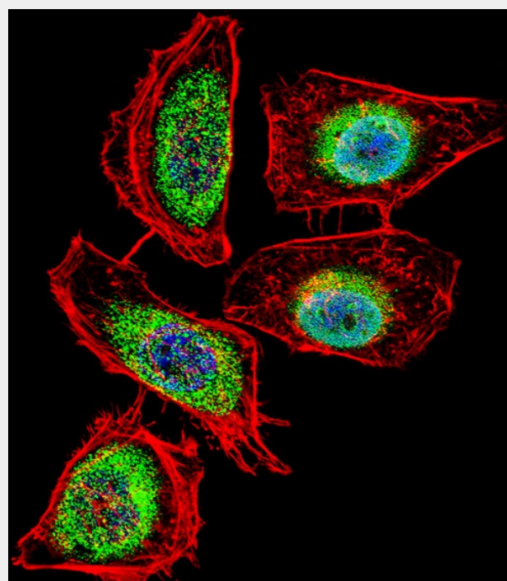
**Function:**

Glycolytic enzyme that 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: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).

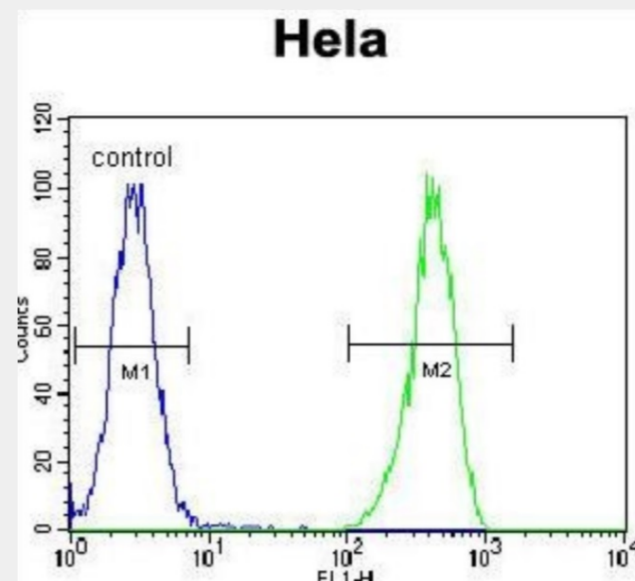
---

**Product Description**

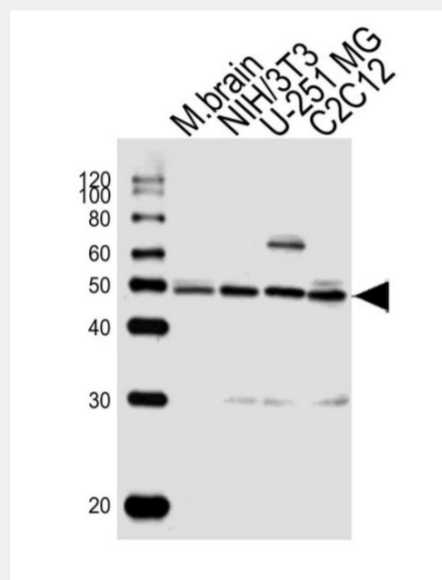
ENO1 is one of three enolase isoenzymes found in mammals; the protein alpha-enolase, a homodimeric soluble enzyme, and is also a shorter monomeric structural lens protein, tau-crystallin. The two proteins are made from the same message. The full length protein, the isoenzyme, is found in the cytoplasm. The shorter protein is produced from an alternative translation start, is localized to the nucleus, and has been found to bind to an element in the c-myc promoter.



Fluorescent confocal image of HeLa cell stained with ENOA Antibody (N-term). HeLa cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with ENOA primary antibody (1:25, 1 h at 37°C).



ENOA Antibody (N-term) flow cytometric analysis of HeLa cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western blot analysis of lysates from mouse brain tissue, mouse NIH/3T3, U-251 MG, mouse C2C12 cell line (from left to right), using ENOA Antibody (N-term) diluted at 1:1000 at each lane. A goat anti-rabbit IgG

All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!