Data Sheet (Cat.No.TMAH-00386)

Anti-ENO1 Antibody (8H69)

Product Details

Ig Type:	IgG1
Reactivity:	Human, Mouse, Rat, Rabbit
Conjugation:	Unconjugated
Clone:	8H69
Purification:	Protein G purified

Applications

Verified Activity:

1. Western Blot
-Positive WB detected in: K562 whole cell lysate, Rabbit Skeletal Muscle tissue, Rabbit Kidney lysate
-All lanes ENO1 antibody at 1:10000
-Secondary: Goat polyclonal to mouse IgG at 1/10000 dilution
-Predicted band size: 47 KDa
-Observed band size: 47 KDa
-Exposure time: 1min
2. Western Blot
-Positive WB detected in: MCF-7 whole cell lysate, Hela whole cell lysate, Jurkat whole cell lysate, HepG2 whole cell lysate
-All lanes ENO1 antibody at 1:10000
-Secondary: Goat polyclonal to mouse IgG at 1/10000 dilution
-Predicted band size: 47 KDa
-Observed band size: 47 KDa
-Exposure time: 10s
3. Western Blot
-Positive WB detected in: HepG2 whole cell lysate at 20μg, 10μg, 5μg, 2.5μg, 1.25μg, 0.625μg
-All lanes: ENO1 antibody at 1:5000
-Secondary: Goat polyclonal to Mouse IgG at 1/10000 dilution
-Predicted band size: 47 kDa
-Observed band size: 47 KDa
-Exposure time: 10s
4. Western Blot
-Positive WB detected in: MCF-7 whole cell lysate
-All lanes: ENO1 antibody at 1:5000, 1:10000, 1:20000, 1:40000, 1:80000, 1:160000, 1:320000, 1:640000
-Secondary: Goat polyclonal to Mouse IgG at 1/10000 dilution
-Predicted band size: 47 kDa
-Observed band size: 47 KDa
-Exposure time: 10s
5. Immunofluorescence staining of MCF-7 cells with TMAH-00386 at 1:270, counter-stained with DAPI. The cells were blocked in 10% normal Goat Serum and then incubated with the primary antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Mouse IgG(H+L).
6. Immunofluorescence staining of Hela cells with TMAH-00386 at 1:270, counter-stained with

DAPI. The cells were blocked in 10% normal Goat Serum and then incubated with the primary antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Mouse IgG(H+L).
7. Overlay histogram showing MCF-7 cells stained with TMAH-00386 (red line) at 1:550. The cells were incubated in 1x PBS /10% normal goat serum to block non-specific protein-protein interactions followed by primary antibody for 1 h at 4°C. The secondary antibody used was FITC goat anti-mouse IgG(H+L) at 1/200 dilution for 1 h at 4°C. Isotype control antibody (green line) was used under the same conditions. Acquisition of >10,000 events was performed.
8. Overlay histogram showing Hela cells stained with TMAH-00386 (red line) at 1:550. The cells were incubated in 1x PBS /10% normal goat serum to block non-specific protein-protein interactions followed by primary antibody for 1 h at 4°C. The secondary antibody used was FITC goat anti-mouse IgG(H+L) at 1/200 dilution for 1 h at 4°C. Isotype control antibody (green line) was used under the same conditions. Acquisition of >10,000 events was performed.
9. Immunoprecipitating ENO1 in HepG2 whole cell lysate
-Lane 1: Mouse control IgG (1µg) instead of TMAH-00386 in HepG2 whole cell lysate.
For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000)
-Lane 2: TMAH-00386 (1µl) + HepG2 whole cell lysate (500µg)
-Lane 3: HepG2 whole cell lysate (10µg)

Application: ELISA,FCM,IF,IP,WB

Properties

Purity: >95%

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein: Human Alpha-enolase Protein (2-434AA)

Antigen Species: Human

Gene ID: 2023

Uniprot ID: P06733

Synonyms: enolase 1, (alpha);ENO1L1;MPB1;HEL-S-17;PPH;NNE;enolase 1, (α)

Biology Area: Immunology

Research Background

Glycolytic enzyme the catalyzes the conversion of 2-phosphoglycerate to phosphoenolpyruvate. In addition to glycolysis, involved 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.