abcam

Product datasheet

Anti-ENO1 antibody [EPR10863(B)] ab155102

重组 RabMAb

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概述

产品名称	Anti-ENO1抗体[EPR10863(B)]
描述	兔单克隆抗体[EPR10863(B)] to ENO1
宿主	Rabbit
经测试应用	**适用于:** Flow Cyt (Intra), WB, ICC/IF, IP **不适用于:** IHC-P
种属反应性	**与反应:** Mouse, Rat, Human
免疫原	Synthetic peptide within Human ENO1 aa 1-100 (N terminal). The exact sequence is proprietary. Synthetic peptide within Human ENO1 aa 1-50 Database link: **P06733** (Peptide available as **ab226769**)
阳性对照	WB: MCF7, Jurkat, A431, C2C12, NIH/3T3 and HeLa whole cell lysate (**ab150035**), mouse heart and rat brain tissue lysate. ICC/IF: MCF7 cells. IP: HeLa whole cell lysate (**ab150035**).
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.01% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 0.05% BSA, 59% PBS
纯度	Protein A purified
克隆	单克隆

克隆编号	EPR10863(B)
同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab155102于以下的经测试应用**

"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt (Intra)		Use at an assay dependent concentration.
WB		1/1000 - 1/10000. Predicted molecular weight: 47 kDa.
ICC/IF	★★★★☆ (1)	1/50 - 1/250.
IP		1/10 - 1/100.

应用说明 Is unsuitable for IHC-P.

靶标

功能 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.
MBP1 binds to the myc promoter and acts as a transcriptional repressor. May be a tumor suppressor.

组织特异性 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.

通路 Carbohydrate degradation; glycolysis; pyruvate from D-glyceraldehyde 3-phosphate: step 4/5.

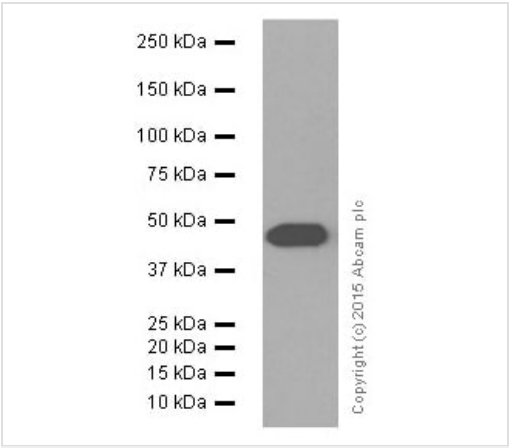
序列相似性 Belongs to the enolase family.

发展阶段 During ontogenesis, there is a transition from the alpha/alpha homodimer to the alpha/beta heterodimer in striated muscle cells, and to the alpha/gamma heterodimer in nerve cells.

翻译后修饰 ISGylated.

细胞定位 Nucleus and Cytoplasm. Cell membrane. Cytoplasm > myofibril > sarcomere > M line. Can translocate to the plasma membrane in either the homodimeric (alpha/alpha) or heterodimeric (alpha/gamma) form. ENO1 is localized to the M line.

图片



Western blot - Anti-ENO1 antibody [EPR10863(B)] (ab155102)

Anti-ENO1 antibody [EPR10863(B)] (ab155102) at 1/5000 dilution (purified) + Rat brain tissue lysate at 10 µg

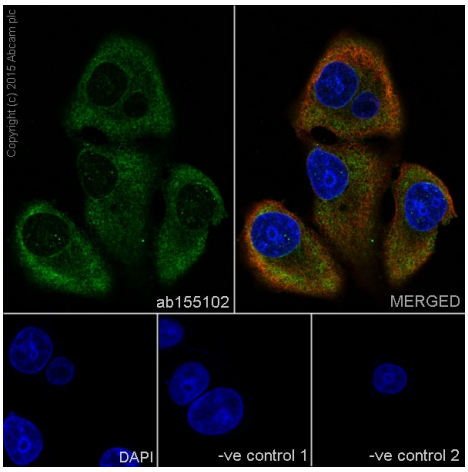
Secondary

HRP-conjugated goat anti-rabbit IgG at 1/1000 dilution

Predicted band size: 47 kDa

Observed band size: 47 kDa

Blocking and dilution buffer: 5% NFDM/TBST.

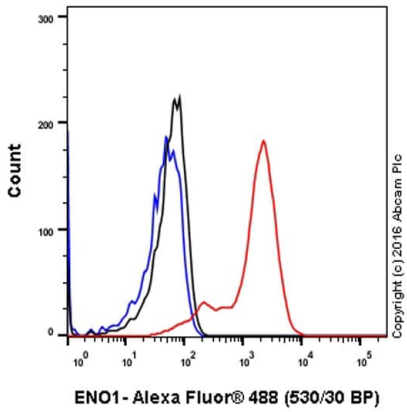


Immunocytochemistry/ Immunofluorescence - Anti-ENO1 antibody [EPR10863(B)] (ab155102)

Immunocytochemistry/Immunofluorescence analysis of MCF-7 cells labelling ENO1 with purified ab155102 at 1/60. Cells were fixed with 4% paraformaldehyde and permeabilized with 0.1% Triton X-100. **ab150077**, an Alexa Fluor® 488-conjugated goat anti-rabbit IgG (1/1000) was used as the secondary antibody. DAPI (blue) was used as the nuclear counterstain. **ab7291**, a mouse anti-tubulin (1/1000) and **ab150120**, an Alexa Fluor® 594-conjugated goat anti-mouse IgG (1/1000) were also used.

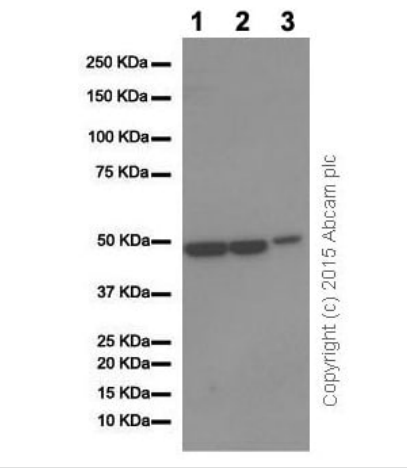
Control 1: primary antibody (1/60) and secondary antibody, **ab150120**, an Alexa Fluor® 594-conjugated goat anti-mouse IgG (1/1000).

Control 2: **ab7291** (1/1000) and secondary antibody, **ab150077**, an Alexa Fluor® 488-conjugated goat anti-rabbit IgG (1/1000).



Flow Cytometry (Intracellular) - Anti-ENO1 antibody [EPR10863(B)] (ab155102)

Intracellular Flow Cytometry analysis of MCF-7 (human breast carcinoma) cells labeling ENO1 with purified ab155102 at 1/20 dilution (10ug/ml) (red). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. A Goat anti rabbit IgG (Alexa Fluor® 488) (1/2000 dilution) was used as the secondary antibody. Rabbit monoclonal IgG (Black) was used as the isotype control, cells without incubation with primary antibody and secondary antibody (Blue) were used as the unlabeled control.



Western blot - Anti-ENO1 antibody [EPR10863(B)] (ab155102)

All lanes : Anti-ENO1 antibody [EPR10863(B)] (ab155102) at 1/5000 dilution (purified)

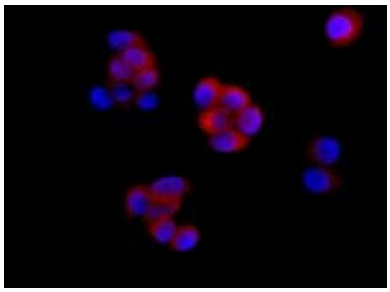
Lane 1 : C2C12 whole cell lysate
Lane 2 : NIH/3T3 whole cell lysate
Lane 3 : Mouse heart tissue lysate

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/50000 dilution

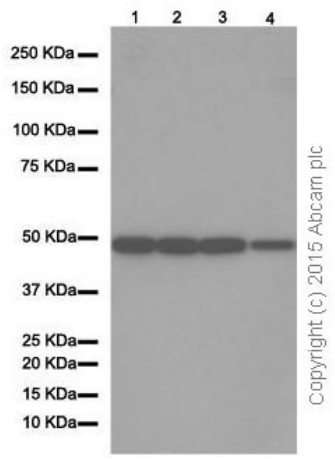
Predicted band size: 47 kDa
Observed band size: 47 kDa

Blocking and dilution buffer: 5% NFDM/TBST.



Immunocytochemistry/ Immunofluorescence - Anti-ENO1 antibody [EPR10863(B)] (ab155102)

Immunocytochemistry/Immunofluorescence analysis of MCF7 cells labelling ENO1 with unpurified ab155102 at a dilution of 1/100.



Western blot - Anti-ENO1 antibody [EPR10863(B)] (ab155102)

All lanes : Anti-ENO1 antibody [EPR10863(B)] (ab155102) at 1/5000 dilution (purified)

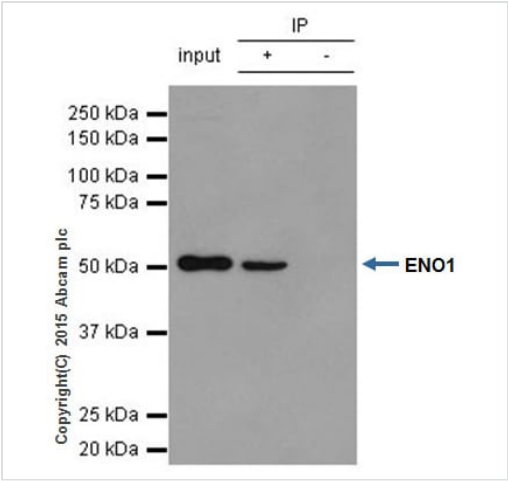
Lane 1 : MCF-7 whole cell lysate
Lane 2 : Jurkat whole cell lysate
Lane 3 : HeLa whole cell lysate
Lane 4 : A431 whole cell lysate

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/50000 dilution

Predicted band size: 47 kDa
Observed band size: 47 kDa

Blocking and dilution buffer: 5% NFDM/TBST.



Immunoprecipitation - Anti-ENO1 antibody [EPR10863(B)] (ab155102)

ab155102 (purified) at 1/20 immunoprecipitating ENO1 in HeLa whole cell lysate.

Lane 1 (input): HeLa whole cell lysate (10µg)

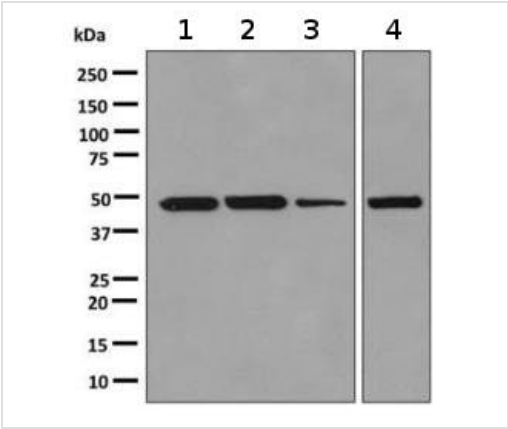
Lane 2 (+): ab155102 + HeLa whole cell lysate.

Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of ab155102 in HeLa whole cell lysate.

For western blotting, a HRP-conjugated anti-rabbit IgG, specific to the non-reduced form of IgG was used as the secondary antibody (1/1500).

Blocking buffer and concentration: 5% NFDM/TBST.

Diluting buffer and concentration: 5% NFDM /TBST.



Western blot - Anti-ENO1 antibody [EPR10863(B)] (ab155102)

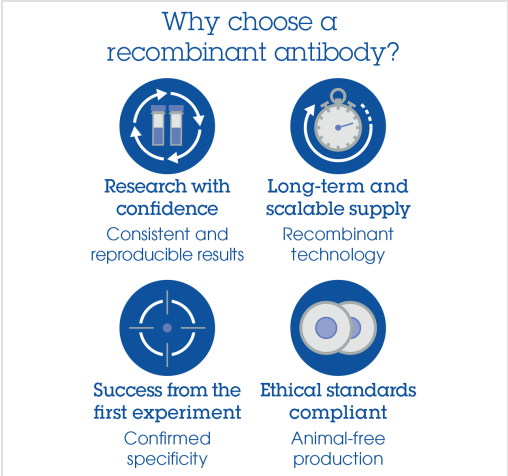
All lanes : Anti-ENO1 antibody [EPR10863(B)] (ab155102) at 1/1000 dilution (unpurified)

Lane 1 : MCF7 cell lysate
Lane 2 : Jurkat cell lysate
Lane 3 : A431 cell lysate
Lane 4 : HeLa cell lysate

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : HRP-conjugated goat anti-rabbit IgG at 1/2000 dilution

Predicted band size: 47 kDa



Anti-ENO1 antibody [EPR10863(B)] (ab155102)

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