ENO1(JM63-53)

rev. 27/09/17
Cat#: ET1705-56

Product Type: Recombinant rabbit monoclonal IgG, primary antibodies

Species reactivity: Human, Mouse, Rat

Applications: WB, IP, FC, ICC/IF

Molecular Wt.: 47 kDa

Clone number: JM63-53

Description: 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.

Immunogen:
Recombinant protein.

Positive control:
Rat brain tissue lysate, NIH-3T3 cell lysate, HepG2 cell lysate, Hela cell lysate, MCF-7.

Subcellular location:
Nucleus and Cytoplasm. Cell membrane.

Database links:
SwissProt: P06733(Human) P17182(Mouse) P04764(Rat)

Recommended Dilutions:
WB: 1:500-1:2,000 **FC:** 1:50-1:100
ICC: 1:10-1:50

Storage Buffer:
1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction:
Store at +4° C after thawing. Aliquot store at -20° C or -80° C. Avoid repeated freeze / thaw cycles.

Purity: ProA affinity purified.

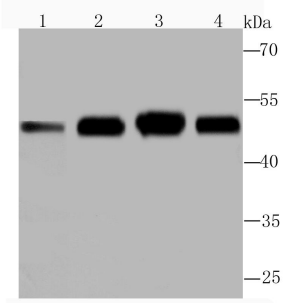

Fig1: Western blot analysis of ENO1 on different lysates using anti-ENO1 antibody at 1/1,000 dilution.
Positive control:
Lane 1: Rat brain tissue *Lane 2: NIH-3T3*
Lane 3: Hela *Lane 4: HepG2*

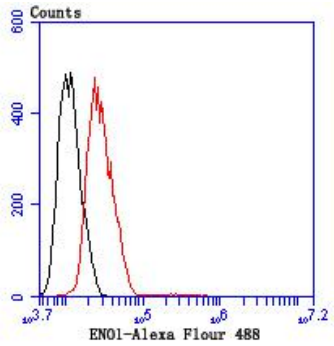

Fig2: Flow cytometric analysis of MCF-7 cells with ENO1 antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black).

Background References

1. Del Rey MJ et al. Hif-1a Knockdown Reduces Glycolytic Metabolism and Induces Cell Death of Human Synovial Fibroblasts Under Normoxic Conditions. Sci Rep 7:3644 (2017).
2. Ekman M et al. HIF-mediated metabolic switching in bladder outlet obstruction mitigates the relaxing effect of mitochondrial inhibition. Lab Invest 94:557-68 (2014).

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Applications: WB=Western blot IP=Immunoprecipitation IHC=Immunohistochemistry IF=Immunofluorescence FC=Flow cytometry
Species Cross-Reactivity: H=human M=mouse R=rat Hm=hamster Mk=monkey Mi=mink C=chicken Dm=D.melanogaster X=Xenopus Z=zebrafish B=bovine Dg=dog Pg=pig Sc=S.