Datasheet for ABIN389406

anti-ENO1 antibody (N-Term)

3 Images

Go to Product page

Overview

Quantity:	400 µL
Target:	ENO1
Binding Specificity:	AA 33-60, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ENO1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Immunogen:	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.
Clone:	RB19994
Isotype:	Ig Fraction
Predicted Reactivity:	B, Pr
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	ENO1

Target Details

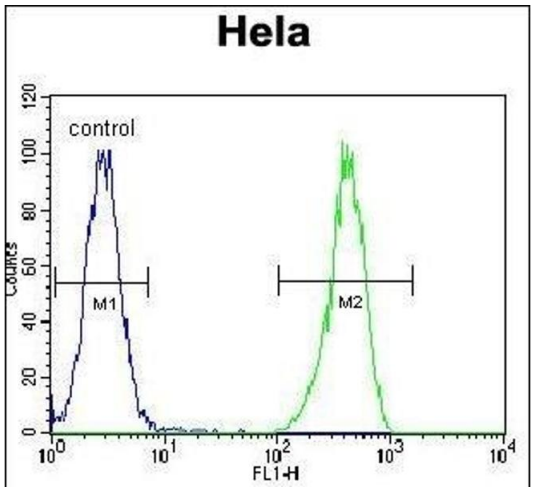
Alternative Name:	ENOA (ENO1 Products)
Background:	ENO1 is one of three enolase isoenzymes found in mammals, the protein alpha-enolase, a homodimeric soluble enzyme, and is also a shorter monomeric structural lens protein, tau-crystallin. The two proteins are made from the same message. The full length 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.
Molecular Weight:	47169
Gene ID:	2023
NCBI Accession:	NP_001188412, NP_001419
UniProt:	P06733

Application Details

Application Notes:	IF: 1:10~50. WB: 1:1000. FC: 1:10~50
Restrictions:	For Research Use only

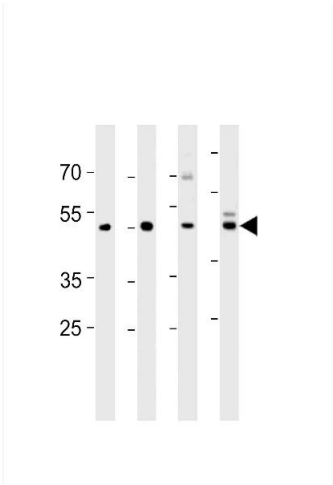
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



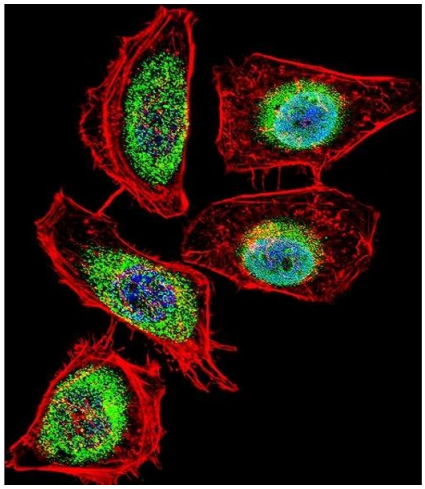
Flow Cytometry

Image 1. ENOA Antibody (N-term) (ABIN389406 and ABIN2839494) 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 Blotting

Image 2. ENOA Antibody (N-term) (ABIN389406 and ABIN2839494) western blot analysis in ,mouse C2C12,mouse NIH/3T3 cell line and mouse brain tissue lysates (35 µg/lane).This demonstrates the ENOA antibody detected the ENOA protein (arrow).



Immunofluorescence

Image 3. Fluorescent confocal image of Hela cell stained with ENOA Antibody (N-term) (ABIN389406 and ABIN2839494). 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). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 °C).Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7 units/mL, 1 h at 37 °C). Nuclei were counterstained with DI (blue) (10 µg/mL, 10 min). ENOA immunoreactivity is localized to Cytoplasm and Nucleus significantly.