

Mouse ENO1 Monoclonal Antibody | anti-ENO1 antibody

ENO1 Monoclonal Antibody

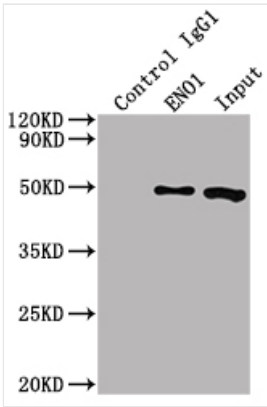
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA27044	Mouse	Human, Mouse, Rat, Rabbit	ELISA, Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay, Immunoprecipitation

PRODUCT SYNONYMS

ENO1; Monoclonal Antibody; ENO1 Monoclonal Antibody; Alpha-enolase (2-phospho-D-glycerate hydro-lyase) (C-myc promoter-binding protein) (Enolase 1) (MBP-1) (MPB-1) (Non-neural enolase) (NNE) (Phosphopyruvate hydratase) (Plasminogen-binding protein); ENO1L1; MBPB1; MPB1; anti-ENO1 antibody

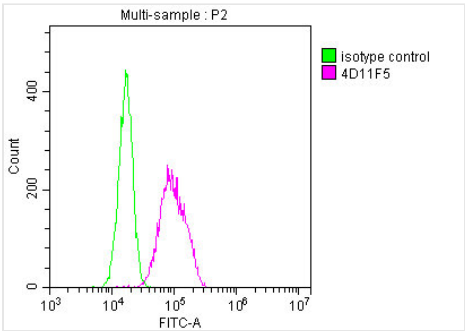
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat, Rabbit
Clonality	Monoclonal
Isotype	IgG1
Clone Number	4D11F5
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH7.4
Applicable Applications for anti-ENO1 antibody	ELISA, WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), IP (Immunoprecipitation)
Application Notes	WB: 1:5000-1:640,000 IF: 1:50-1:300 FC/FACS: 1:100-1:600 IP: 1ul-4ul
Conjugation	Non-conjugated
Immunogen	Recombinant Human Alpha-enolase protein (2-434AA)
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.



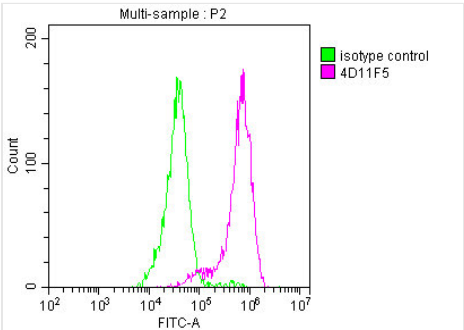
IP (Immunoprecipitation)

Immunoprecipitating ENO1 in HepG2 whole cell lysate Lane 1: Mouse control IgG (1ug) instead of in HepG2 whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/5000) Lane 2: (1ul) + HepG2 whole cell lysate (500ug) Lane 3: HepG2 whole cell lysate (10ug)



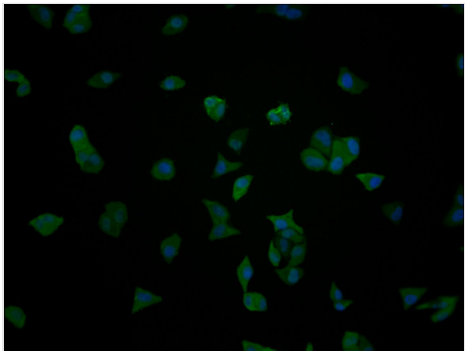
FCM (Flow Cytometry)

Overlay histogram showing Hela cells stained with (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 degree C. The secondary antibody used was FITC goat anti-mouse IgG(H+L) at 1/200 dilution for 1 h at 4 degree C. Isotype control antibody (green line) was used under the same conditions. Acquisition of >10,000 events was performed.



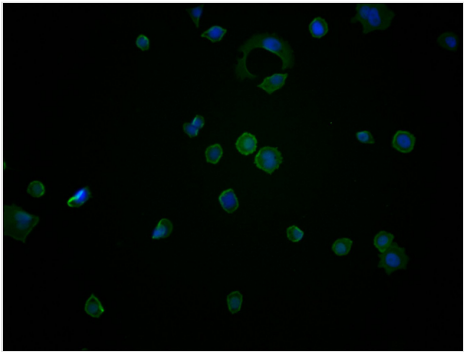
FCM (Flow Cytometry)

Overlay histogram showing MCF-7 cells stained with (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 degree C. The secondary antibody used was FITC goat anti-mouse IgG(H+L) at 1/200 dilution for 1 h at 4 degree C. Isotype control antibody (green line) was used under the same conditions. Acquisition of >10,000 events was performed.



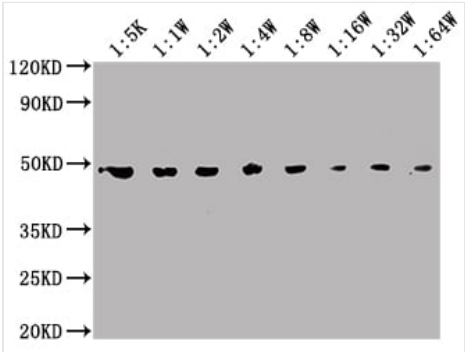
IF (Immunofluorescence)

Immunofluorescence staining of Hela cells 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 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



IF (Immunofluorescence)

Immunofluorescence staining of MCF-7 cells 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 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-ENO1 antibody	ENO1 encodes one of three enolase isoenzymes found in mammals; it encodes alpha-enolase, a homodimeric soluble enzyme, and also encodes 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. A pseudogene has been identified that is located on the other arm of the same chromosome.
Product Categories/Family for anti-ENO1 antibody	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	319996655
NCBI GeneID	2023
NCBI Accession #	NP_001188412.1
NCBI GenBank Nucleotide #	NM_001201483.1
UniProt Accession #	P06733; P22712; Q16704; Q4TUS4; Q53FT9; Q53HR3; Q658M5; Q6GMP2; Q71V37; Q7Z3V6; Q8WU71; B2RD59
Molecular Weight	434 (341)
NCBI Official Full Name	c-myc promoter-binding protein-1 isoform MBP-1
NCBI Official Synonym Full Names	enolase 1, (alpha)
NCBI Official Symbol	ENO1
NCBI Official Synonym Symbols	NNE; PPH; MPB1; ENO1L1
NCBI Protein Information	alpha-enolase; c-myc promoter-binding protein-1; enolase-alpha; tau-crystallin; non-neural enolase; alpha enolase like 1; phosphopyruvate hydratase; plasminogen-binding protein; MYC promoter-binding protein 1; 2-phospho-D-glycerate hydro-lyase
UniProt Protein Name	Alpha-enolase
UniProt Gene Name	ENO1
UniProt Synonym Gene Names	ENO1L1; MBPB1; MPB1; NNE
UniProt Entry Name	ENOA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/eno1-antibody-clone-4d11f5-western-blot-immunofluorescence-flow-cytometry-immunoprecipitation-elisa/27044>