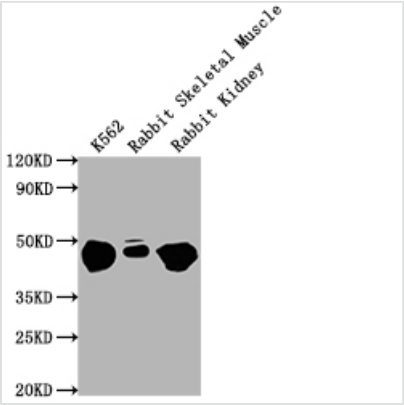
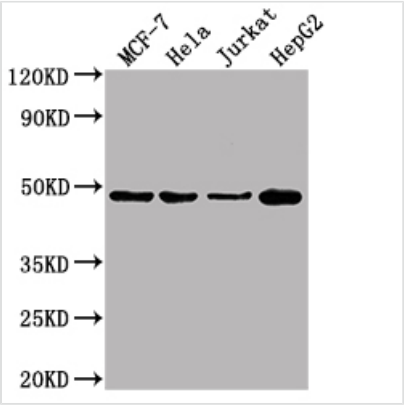
ENO1 Monoclonal Antibody

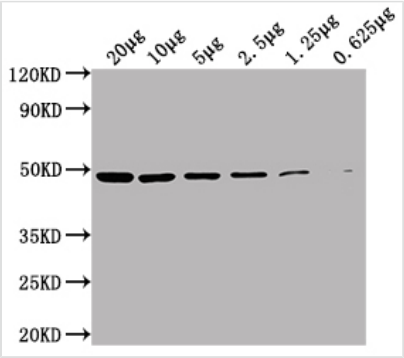
Product Code	CSB-MA007670A1m
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P06733
Immunogen	Recombinant Human Alpha-enolase protein (2-434AA)
Raised In	Mouse
Species Reactivity	Human, Rabbit
Tested Applications	ELISA, WB, IF, FC, IP; Recommended dilution: WB: 1:5000-1:640000, IF:1:50-1:300, FC:1:100-1:600, IP:2μl-4μl
Relevance	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.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Purification Method	>95%, Protein G purified
Isotype	IgG1
Clonality	Monoclonal
Alias	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), ENO1, ENO1L1, MBPB1, MPB1
Product Type	Monoclonal Antibody
Immunogen Species	Human
Gene Names	ENO1
Clone No.	4D11F5
Image	



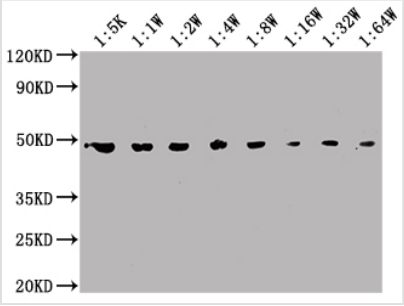
Western Blot
Positive WB detected in: K562 whole cell lysate, Rabbit Skeletal Muscle tissue, Rabbit Kidney lysate
All lanes ENO1 antibody at 1:10000
Secondary
Goat polyclonal to mouse IgG at 1/10000 dilution
Predicted band size: 47 KDa
Observed band size: 47 KDa
Exposure time: 1min



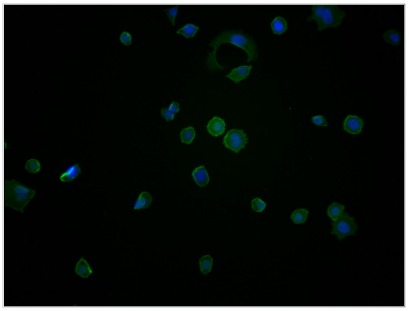
Western Blot
Positive WB detected in: MCF-7 whole cell lysate, Hela whole cell lysate, Jurkat whole cell lysate, HepG2 whole cell lysate
All lanes ENO1 antibody at 1:10000
Secondary
Goat polyclonal to mouse IgG at 1/10000 dilution
Predicted band size: 47 KDa
Observed band size: 47 KDa
Exposure time: 10s



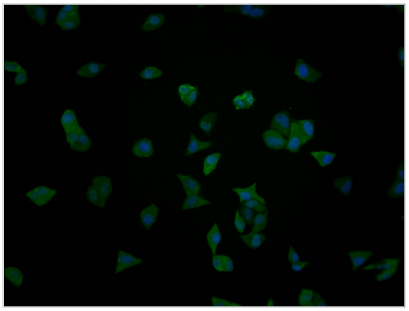
Western Blot
Positive WB detected in: HepG2 whole cell lysate at 20μg, 10μg, 5μg, 2.5μg, 1.25μg, 0.625μg
All lanes: ENO1 antibody at 1:5000
Secondary
Goat polyclonal to Mouse IgG at 1/10000 dilution
Predicted band size: 47 kDa
Observed band size: 47 KDa
Exposure time: 10s



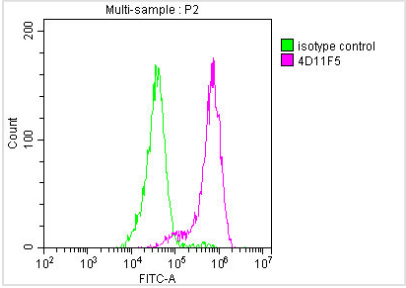
Western Blot
Positive WB detected in: MCF-7 whole cell lysate
All lanes: ENO1 antibody at 1:5000, 1:10000, 1:20000, 1:40000, 1:80000, 1:160000, 1:320000, 1:640000
Secondary
Goat polyclonal to Mouse IgG at 1/10000 dilution
Predicted band size: 47 kDa
Observed band size: 47 KDa
Exposure time: 10s



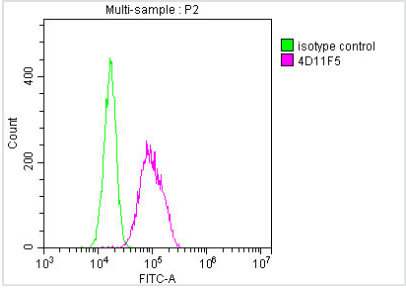
Immunofluorescence staining of MCF-7 cells with CSB-MA007670A0m at 1:270, counter-stained with DAPI. The cells were blocked in 10% normal Goat Serum and then incubated with the primary antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Mouse IgG(H+L).



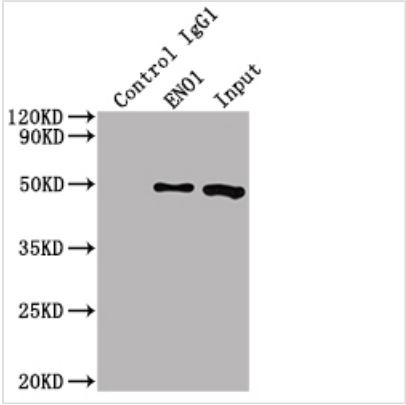
Immunofluorescence staining of Hela cells with CSB-MA007670A0m at 1:270, counter-stained with DAPI. The cells were blocked in 10% normal Goat Serum and then incubated with the primary antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Mouse IgG(H+L).



Overlay histogram showing MCF-7 cells stained with CSB-MA007670A1m (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.



Overlay histogram showing Hela cells stained with CSB-MA007670A1m (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.



Immunoprecipitating ENO1 in HepG2 whole cell lysate
Lane 1: Mouse control IgG (1µg) instead of CSB-MA007670A1m in HepG2 whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000)
Lane 2: CSB-MA007670A1m (1µl) + HepG2 whole cell lysate (500µg)
Lane 3: HepG2 whole cell lysate (10µg)