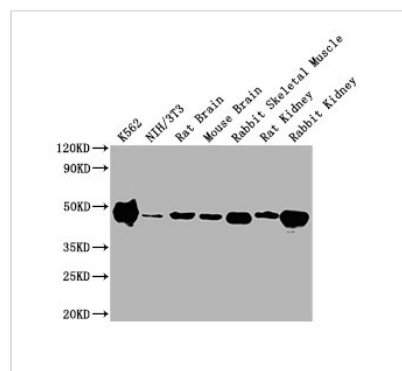




# ENO1 Monoclonal Antibody

<b>Product Code</b>	CSB-MA007670A0m
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Uniprot No.</b>	P06733
<b>Immunogen</b>	Recombinant Human Alpha-enolase protein (2-434AA)
<b>Raised In</b>	Mouse
<b>Species Reactivity</b>	Human, Mouse, Rat, Rabbit
<b>Tested Applications</b>	ELISA, WB, IHC, IF, FC, IP; Recommended dilution: WB: 1:5000-1:320000, IHC:1:200-1:500, IF:1:50-1:200, FC:1:100-1:300, IP:2μl-4μl
<b>Relevance</b>	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.
<b>Form</b>	Liquid
<b>Conjugate</b>	Non-conjugated
<b>Storage Buffer</b>	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
<b>Purification Method</b>	>95%, Protein G purified
<b>Isotype</b>	IgG1
<b>Clonality</b>	Monoclonal
<b>Product Type</b>	Monoclonal Antibody
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Gene Names</b>	ENO1
<b>PubMed ID</b>	8H9G12

## Image

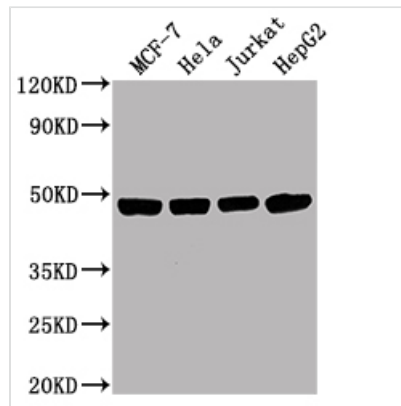


### Western Blot

Positive WB detected in: K562 whole cell lysate, NIH/3T3 whole cell lysate, Rat Brain tissue, Mouse Brain tissue, Rabbit Skeletal Muscle tissue, Rat Kidney tissue, Rabbit Kidney tissue  
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

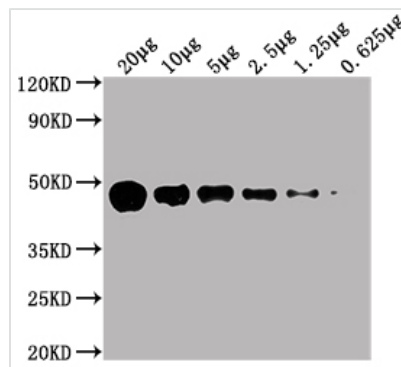
Secondary

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

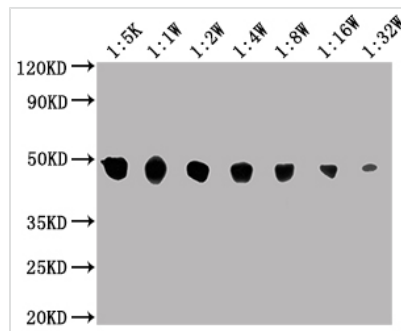
Secondary

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

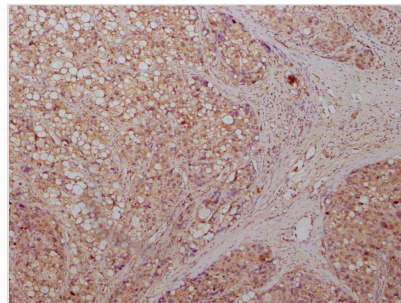
Secondary

Goat polyclonal to Mouse IgG at 1/10000 dilution

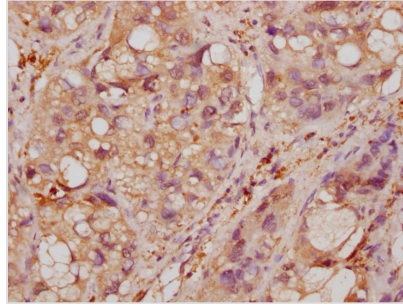
Predicted band size: 47 kDa

Observed band size: 47 KDa

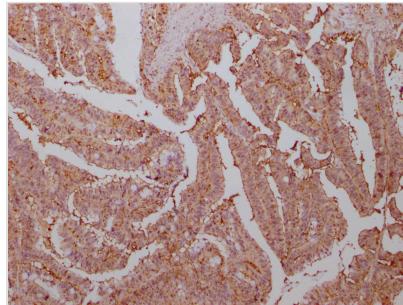
Exposure time: 10s



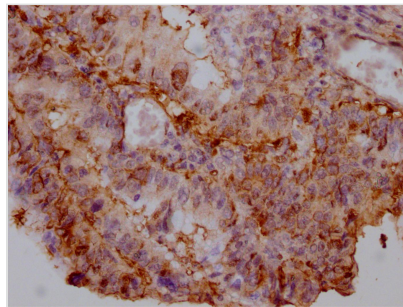
IHC image of CSB-MA007670A0m diluted at 1:500 and staining in paraffin-embedded human liver cancer tissue performed on a Leica Bond<sup>TM</sup> system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



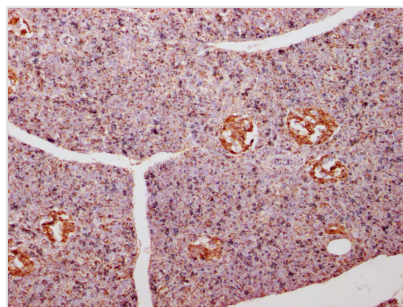
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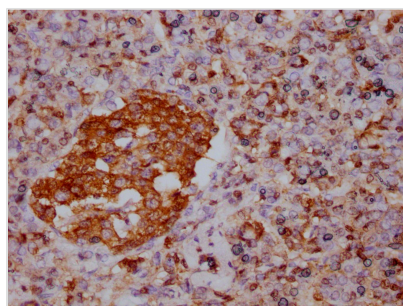
IHC image of CSB-MA007670A0m diluted at 1:500 and staining in paraffin-embedded human colon cancer tissue performed on a Leica Bond<sup>TM</sup> system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



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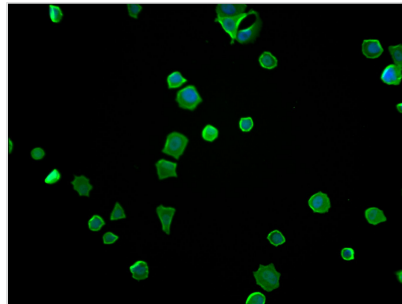
IHC image of CSB-MA007670A0m diluted at 1:500 and staining in paraffin-embedded human pancreas tissue performed on a Leica Bond<sup>TM</sup> system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



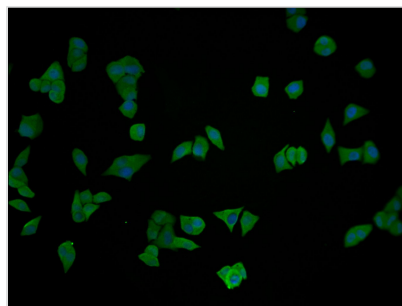
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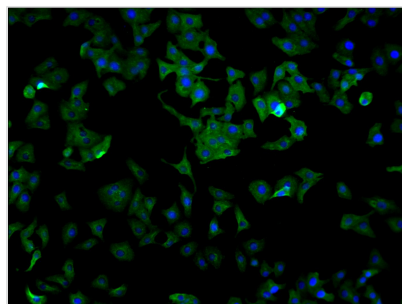
biotinylated secondary antibody and visualized using an HRP conjugated SP system.



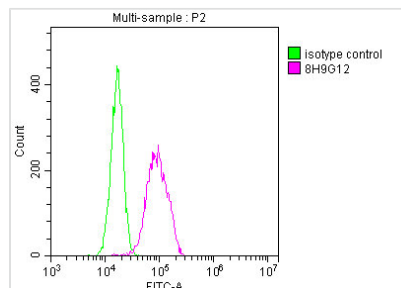
Immunofluorescence staining of MCF-7 cells with CSB-MA007670A0m at 1:130, counter-stained with DAPI. The cells were blocked in 10% normal Goat Serum and then incubated with the primary antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



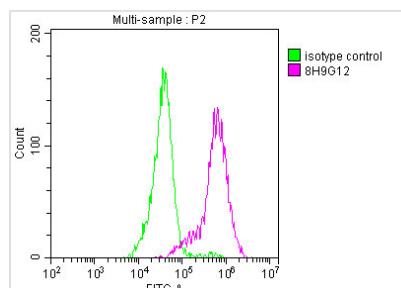
Immunofluorescence staining of HeLa cells with CSB-MA007670A0m at 1:130, counter-stained with DAPI. The cells were blocked in 10% normal Goat Serum and then incubated with the primary antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



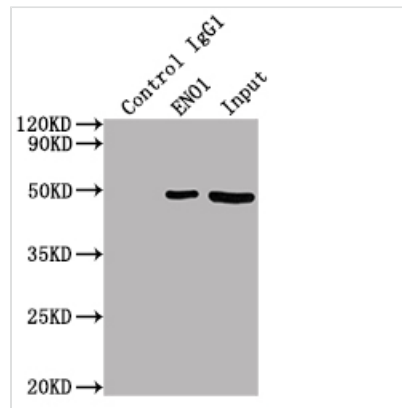
Immunofluorescence staining of HepG2 cells with CSB-MA007670A0m at 1:130, counter-stained with DAPI. The cells were blocked in 10% normal Goat Serum and then incubated with the primary antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Overlay histogram showing HeLa cells stained with CSB-MA007670A0m (red line) at 1:260. 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 MCF-7 cells stained with CSB-MA007670A0m (red line) at 1:260. 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 (1 $\mu$ g) instead of CSB-MA007670A0m 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 (2 $\mu$ l) + HepG2 whole cell lysate (500 $\mu$ g)

Lane 3: HepG2 whole cell lysate (10 $\mu$ g)