Insulin Degrading Enzyme Mouse Monoclonal Antibody

Catalog No: #38040

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

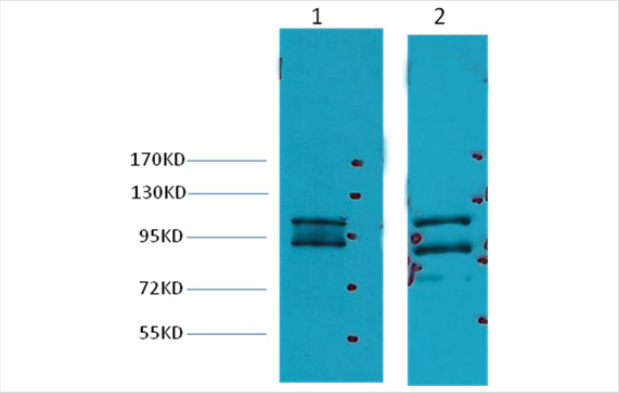
Product Name	Insulin Degrading Enzyme Mouse Monoclonal Antibody
Host Species	Mouse
Clonality	Monoclonal
Purification	Affinity purification using immunogen.
Applications	WB,IHC,IF
Species Reactivity	Hu
Specificity	IDE Mouse Monoclonal antibody detects endogenous IDE proteins.
Target Name	Insulin Degrading Enzyme
SDS-PAGE MW	118kd
Concentration	1.0mg/ml
Formulation	Mouse IgG1 in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

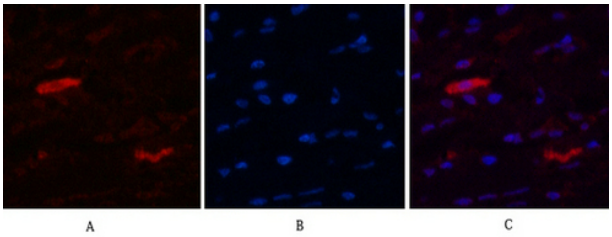
WB dilution: 1:1000~1:2000

IHC dilution:1:50-300IF dilution:1:200

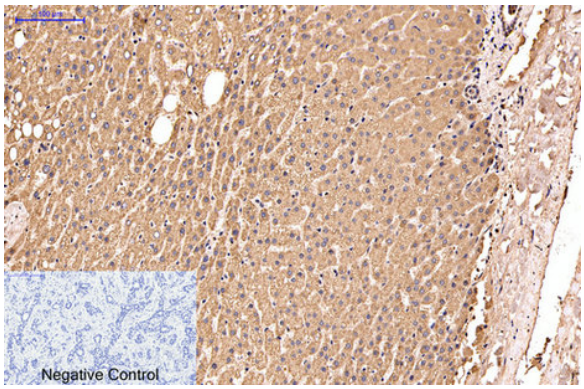
Images



Western blot analysis of 1) Hela, 2) HepG2, using #38040 diluted at 1:2,000.



Immunofluorescence analysis of Human-breast tissue. 1,IDE Monoclonal Antibody(3H4)(red) was diluted at 1:200(4C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



Immunohistochemical analysis of paraffin-embedded Human-liver-cancer tissue. 1,IDE Monoclonal Antibody(3H4) was diluted at 1:200(4C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.

Background

Insulin Degrading Enzyme (IDE) is a large zinc-binding protease of the M16A metalloprotease subfamily known to cleave multiple short polypeptides that vary considerably in sequence. IDE was first identified by its ability to degrade the B chain of the hormone insulin. This activity was observed over fifty years ago, though the enzyme specifically responsible for B chain cleavage was identified more recently.

Note: This product is for in vitro research use only