

产品名称: IDE(3H4)Mouse Monoclonal Antibody
产品货号: AMM12351



产品概述 (Summary)

产品名称 (Production Name)	IDE(3H4)Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	WB,IHC,ICC/IF
种属反应性 (Reactivity)	Human,Hamster

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	PBS, pH 7.4, containing 0.5%protective protein, 0.02% New type preservative N as Preservative and 50% Glycerol.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	IDE
别名 (Alternative Names)	IDE; Insulin-degrading enzyme; Abeta-degrading protease; Insulin protease; Insulinase; Insulysin
基因 ID (Gene ID)	3416.0
蛋白 ID (SwissProt ID)	P14735.Synthetic Peptide of IDE

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:50-1:300,ICC/IF 1:100-1:200
蛋白分子量 (Molecular Weight)	118kDa

研究背景 (Background)

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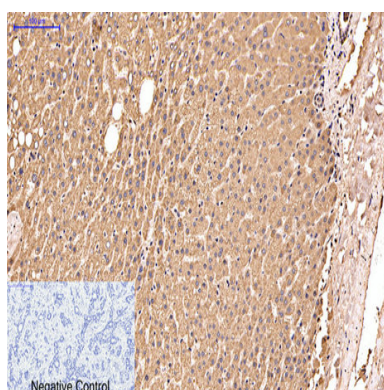


This gene encodes a zinc metallopeptidase that degrades intracellular insulin, and thereby terminates insulin's activity, as well as participating in intercellular peptide signalling by degrading diverse peptides such as glucagon, amylin, bradykinin, and kallidin. The preferential affinity of this enzyme for insulin results in insulin-mediated inhibition of the degradation of other peptides such as beta-amyloid. Deficiencies in this protein's function are associated with Alzheimer's disease and type 2 diabetes mellitus but mutations in this gene have not been shown to be causative for these diseases. This protein localizes primarily to the cytoplasm but in some cell types localizes to the extracellular space, cell membrane, peroxisome, and mitochondrion. Alternative splicing results in multiple transcript variants encoding distinct isoforms. Additional transcript variants have been described. catalytic activity: Degradation of insulin, glucagon and other polypeptides. No action on proteins. cofactor: Binds 1 zinc ion per subunit. function: May play a role in the cellular processing of insulin. May be involved in intercellular peptide signaling. PTM: The N-terminus is blocked. similarity: Belongs to the peptidase M16 family. subunit: Homodimer.

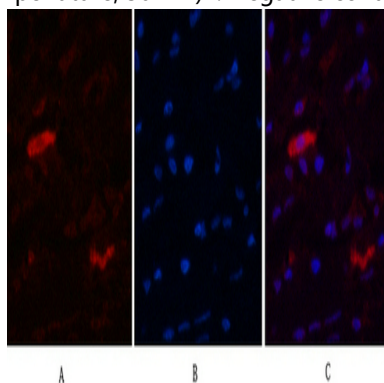
研究领域 (Research Area)

Alzheimer's disease;

图片 (Image Data)



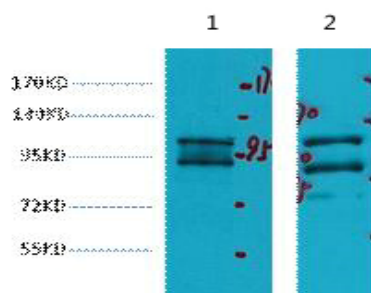
Immunohistochemical analysis of paraffin-embedded Human-liver-cancer tissue. 1, IDE Monoclonal Antibody (3H4) was diluted at 1:200 (4°C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C, 20 min). 3, Secondary antibody was diluted at 1:200 (room temperature, 30 min). Negative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



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Immunofluorescence analysis of Human-breast tissue. 1, IDE Monoclonal Antibody (3H4) (red) was diluted at 1:200 (4°C, overnight) . 2, Cy3 labeled 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



Western blot analysis of 1) HeLa, 2) HepG2, diluted at 1:2000

注意事项 (Note)

For research use only .