

IDE Monoclonal Antibody(3H4)

Description

Product type	Primary Antibody
Code	BT-MCA0055
Host	Mouse
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Synthetic Peptide of IDE
Mol wt	N/A
Species reactivity	Human
Clonality	Monoclonal
Recommended application	WB, IHC-p, IF, ICC
Concentration	1 mg/ml
Full name	Insulin-degrading enzyme
Synonyms	IDE; Insulin-degrading enzyme; Abeta-degrading protease; Insulin protease; Insulinase; Insulysin

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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.

Recommended Dilution

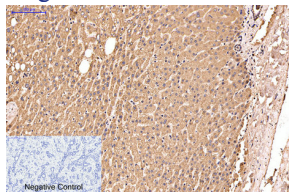
IF: 1:200

IHC: 1:50-300

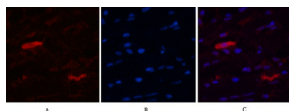
WB: 1:1000

Not yet tested in other applications.

Images

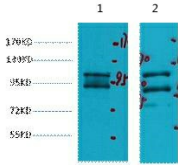


Immunohistochemical analysis of paraffin-embedded Human-liver-cancer tissue. 1. IDE Monoclonal antibody(3H4) was diluted at 1:200(4°C, overnight). 2. Sodium citrate pH 6.0 was used for antibody retrieval(>98°C, 20min). 3. Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control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



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 HeLa and HepG2 diluted at 1:2000.



Storage

-20°C for one year

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