

IDE (3H4) Mouse mAb

CatalogNo: YM3083

Orthogonal Validated



Key Features

Host Species

- Mouse

Reactivity

- Human,Hamster

Applications

- WB,IHC,IF,

MW

- 118kD (Observed)

Storage

Storage*

-15°C to -25°C/1 year(Do not lower than -25°C)

Formulation

PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol.

Recommended Dilution Ratios

WB 1:1000**IF 1:200****IHC 1:50-300**

Basic Information

Clonality

Monoclonal

Clone Number

3H4

Immunogen Information

Immunogen

Synthetic Peptide of IDE

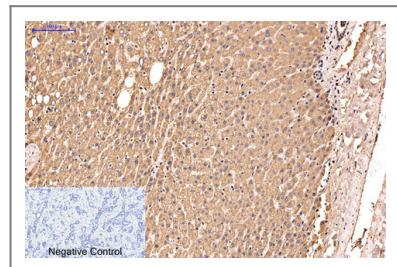
Specificity

The antibody detects endogenous IDE proteins.

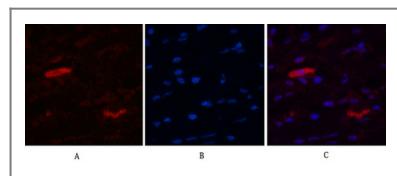
Target Information

| Gene name | IDE | |
|------------------------------|--|--------------------------|
| Protein Name | Insulin-degrading enzyme | |
| Organism | Gene ID | UniProt ID |
| Human | 3416 ; | P14735 ; |
| Mouse | | Q9JHR7 ; |
| Rat | 25700 ; | P35559 ; |
| Cellular Localization | Cytoplasm, cytosol . Cell membrane . Secreted . Present at the cell surface of neuron cells. The membrane-associated isoform is approximately 5 kDa larger than the known cytosolic isoform. | |
| Tissue specificity | Detected in brain and in cerebrospinal fluid (at protein level). | |
| Function | 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., | |

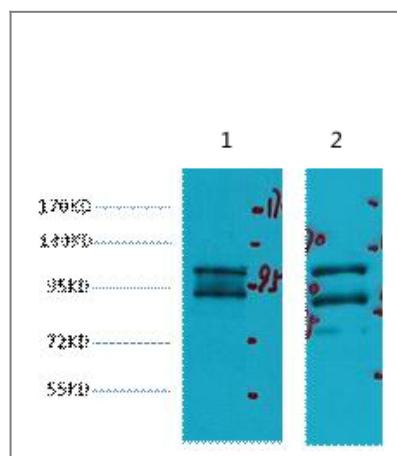
Validation Data



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, 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 1) HeLa, 2) HepG2, diluted at 1:2000

Contact information

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Please scan the QR code
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product information:
**IDE (3H4) Mouse
mAb**

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