

## Mouse anti-Human, Mouse Insulin Monoclonal Antibody | anti-INS antibody

Human Insulin (PT2015) Mouse Monoclonal Antibody

| CATALOG # | HOST  | REACTIVITY   | APPLICATIONS                               |
|-----------|-------|--------------|--------------------------------------------|
| AAA30788  | Mouse | Human, Mouse | Immunohistochemistry, Immunohistochemistry |

### PRODUCT SYNONYMS

Insulin; Monoclonal Antibody; Human Insulin (PT2015) Mouse Monoclonal Antibody; BH6842; Insulin [Cleaved into: Insulin B chain; Insulin A chain]; anti-INS antibody

### PRODUCT SPECIFICATIONS

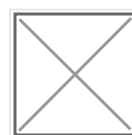
|                                               |                                                                                                                                                                                            |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Mouse                                                                                                                                                                                      |
| Reactivity                                    | Human, Mouse                                                                                                                                                                               |
| Clonality                                     | Monoclonal                                                                                                                                                                                 |
| Isotype                                       | Mouse/IgG2b, Kappa                                                                                                                                                                         |
| Specificity                                   | The antibody detects endogenous levels of human Insulin. Heat-induced epitope retrieval (HIER) Citrate buffer of pH6.0 was highly recommended as antigen repair method in paraffin section |
| Purity/Purification                           | The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.                                                                                 |
| Form/Format                                   | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                    |
| Applicable Applications for anti-INS antibody | IHC (Immunohistochemistry), IHC (Immunohistochemistry)                                                                                                                                     |
| Application Notes                             | IHC-p: 1:100-500                                                                                                                                                                           |
| Immunogen                                     | Synthesized peptide derived from human Insulin                                                                                                                                             |
| Modification                                  | Unmodified/Total                                                                                                                                                                           |
| Preparation and Storage                       | Store at -20 degree C/1 year                                                                                                                                                               |

### IMAGES



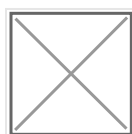
#### IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Pancreas. 1. Antibody was diluted at 1:200(4 degree overnight). 2. Citrate buffer of pH6.0 was used for antigen retrieval. 3.Secondary antibody was diluted at 1:200(room temperature. 30min).



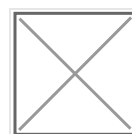
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#### IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Pancreatic carcinoma. 1. Antibody was diluted at 1:200(4 degree overnight). 2. Citrate buffer of pH6.0 was used for antigen retrieval. 3.Secondary antibody was diluted at 1:200(room temperature. 30min).

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**ADDITIONAL INFORMATION****Related Product Information for anti-INS antibody**

insulin (INS) Homo sapiens. After removal of the precursor signal peptide, proinsulin is post-translationally cleaved into three peptides: the B chain and A chain peptides, which are covalently linked via two disulfide bonds to form insulin, and C-peptide. Binding of insulin to the insulin receptor (INSR) stimulates glucose uptake. A multitude of mutant alleles with phenotypic effects have been identified. There is a read-through gene, INS-IGF2, which overlaps with this gene at the 5' region and with the IGF2 gene at the 3' region. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2010]

**NCBI AND UNIPROT INFORMATION**

|                                  |                                    |
|----------------------------------|------------------------------------|
| NCBI GI #                        | 386828                             |
| NCBI GeneID                      | 3630                               |
| UniProt Accession #              | P01308; Q5EEX2                     |
| Molecular Weight                 | 11,981 Da                          |
| NCBI Official Full Name          | insulin                            |
| NCBI Official Synonym Full Names | insulin                            |
| NCBI Official Symbol             | INS                                |
| NCBI Official Synonym Symbols    | ILPR; IRDN; IDDM2; MODY10          |
| NCBI Protein Information         | insulin; proinsulin; preproinsulin |
| UniProt Protein Name             | Insulin                            |
| UniProt Gene Name                | <b>INS</b>                         |
| UniProt Entry Name               | INS_HUMAN                          |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/insulin-antibody-immunohistochemistry-immunohistochemistry-elisa/30788>