

## Anti-Insulin Rabbit Monoclonal Antibody

Catalog Number: M00067-1

### About INS

Phosphoinositide-3-kinase (PI3K) that phosphorylates PtdIns (Phosphatidylinositol), PtdIns4P (Phosphatidylinositol 4-phosphate) and PtdIns (4,5) P2 (Phosphatidylinositol 4,5-bisphosphate) to generate phosphatidylinositol 3,4,5-trisphosphate (PIP3) . PIP3 plays a key role by recruiting PH domain-containing proteins to the membrane, including AKT1 and PDK1, activating signaling cascades involved in cell growth, survival, proliferation, motility and morphology. Participates in cellular signaling in response to various growth factors.

### Overview

|                      |   |
|----------------------|---|
| Product Name         | Anti-Insulin Rabbit Monoclonal Antibody   |
| Reactive Species     | Human, Mouse, Rat   |
| Description          | Boster Bio Anti-Insulin Rabbit Monoclonal Antibody catalog # M00067-1. Tested in IHC, ICC/IF applications. This antibody reacts with Human, Mouse, Rat. |
| Application          | IF, IHC, ICC  |
| Clonality            | Monoclonal DEA-9  |
| Formulation          | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.                                     |
| Storage Instructions | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.              |
| Host                 | Rabbit  |
| Uniprot ID           | P01308  |

### Technical Details

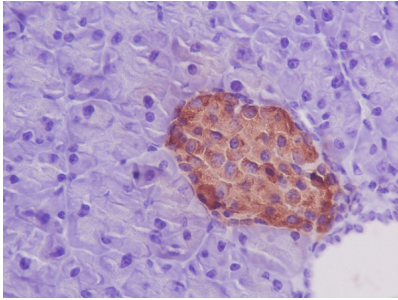
|                     |  |
|---------------------|--|
| Immunogen           | A synthesized peptide derived from human Insulin   |
| Isotype             | Rabbit IgG   |
| Form                | Liquid   |
| Concentration       | Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.   |
| Purification        | Affinity-chromatography  |
| Suggested Dilutions | Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.<br>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.<br>Some PubMed article(s) citing the expression level of this target are as follows: |

Boster Bio's internal QC testing used:

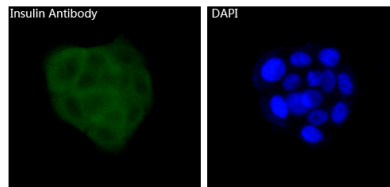
IHC 1:500-1:1000

ICC/IF 1:50-1:200

## Anti-Insulin Rabbit Monoclonal Antibody (M00067-1) Images



Immunohistochemical analysis of paraffin-embedded mouse pancreas, using Insulin Antibody.



Immunofluorescent analysis of BxPC-3 cells, using Insulin Antibody .

## 11 Publications Citing This Product

1. PubMed ID: -, Dong Yan, Pengcheng Fan, Wenlong Sun, Qianzhi Ding, Wei Zheng, Weidi Xiao, Bowei Zhang, Tao Zhang, Tao Zhang, Jiahui Shi, Xiaojuan Chen, Peiru Chen, Jie Zhang, Ying Hao, Xinguang Sun, Xu Pang, Yuesheng Dong, Ping Xu, Liyan Yu, Baiping Ma, Anemarrhena asphodeloides modulates
2. PubMed ID: 32328034, Huo K, Li X, Hu W, Song X, Zhang D, Zhang X, Chen X, Yuan J, Zuo J, Wang X. RFRP-3, the Mammalian Ortholog of GnIH, Is a Novel Modulator Involved in Food Intake and Glucose Homeostasis. *Front Endocrinol (Lausanne)*. 2020 Apr 9;11:194. doi:10.3389/fendo.2020.00194. PMID
3. PubMed ID: 29559889, Liu D, Zhou Y, Peng Y, Su P, Li Z, Xu Q, Tu Y, Tian X, Yang H, Wu Z, Mei W, Gao F. *Front Mol Neurosci*. 2018 Mar 6;11:72. doi: 10.3389/fnmol.2018.00072. eCollection 2018. Endoplasmic Reticulum Stress in Spinal Cord Contributes to the Development of...

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