

Datasheet for ABIN724265

anti-Insulin antibody (AA 46-59)

4 Images

1 Publication

[Go to Product page](#)

Overview

| | |
|----------------------|---|
| Quantity: | 100 µL |
| Target: | Insulin (INS) |
| Binding Specificity: | AA 46-59 |
| Reactivity: | Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This Insulin antibody is un-conjugated |
| Application: | ELISA, Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

Product Details

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| Immunogen: | KLH conjugated synthetic peptide derived from human Insulin |
| Isotype: | IgG |
| Cross-Reactivity: | Mouse, Rat |
| Predicted Reactivity: | Human,Cow,Pig,Horse,Rabbit |
| Purification: | Purified by Protein A. |

Target Details

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| Target: | Insulin (INS) |
|---------|---------------|

Target Details

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|-------------------|---|
| Alternative Name: | Insulin (INS Products) |
| Background: | Synonyms: ILPR, IRDN, IDDM1, IDDM2, MODY1, Insulin, INS Background: Insulin decreases blood glucose concentration. It increases cell permeability to monosaccharides, amino acids and fatty acids. It accelerates glycolysis, the pentose phosphate cycle, and glycogen synthesis in liver. |
| Gene ID: | 3630 |
| UniProt: | P01308 |
| Pathways: | NF-kappaB Signaling , RTK Signaling , Positive Regulation of Peptide Hormone Secretion , Peptide Hormone Metabolism , Hormone Activity , Carbohydrate Homeostasis , ER-Nucleus Signaling , Regulation of Carbohydrate Metabolic Process , Feeding Behaviour , Autophagy , Negative Regulation of intrinsic apoptotic Signaling , Brown Fat Cell Differentiation , Positive Regulation of fat Cell Differentiation |

Application Details

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| Application Notes: | WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 |
| Restrictions: | For Research Use only |

Handling

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| Format: | Liquid |
| Concentration: | 1 µg/µL |
| Buffer: | 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol. |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |

Handling

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| Storage: | 4 °C,-20 °C |
| Storage Comment: | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. |
| Expiry Date: | 12 months |

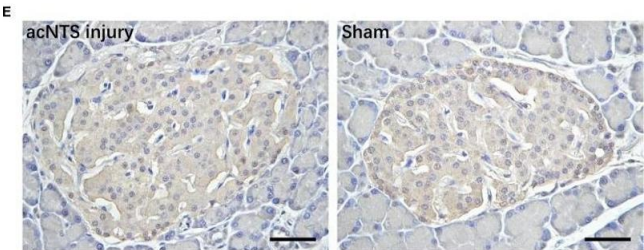
Publications

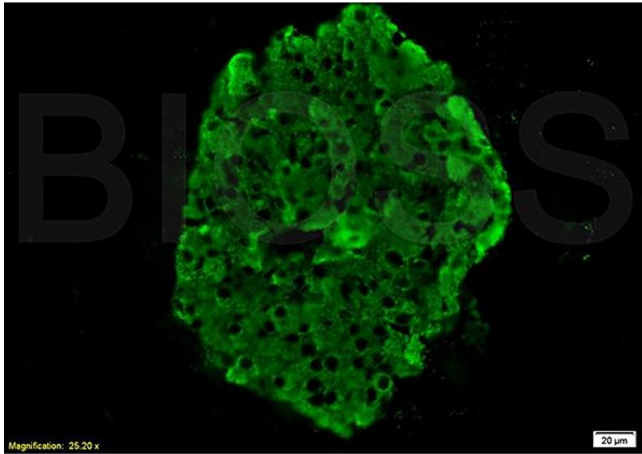
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| Product cited in: | Yang, Zhao, Zhao, Yuan, Chen, Varghese, Moorhead, Chen, Ruan: "Paradoxical effect of rapamycin on inflammatory stress-induced insulin resistance in vitro and in vivo." in: Scientific reports , Vol. 5, pp. 14959, (2016) (PubMed). |
|-------------------|---|

Images

Immunohistochemistry (Paraffin-embedded Sections)

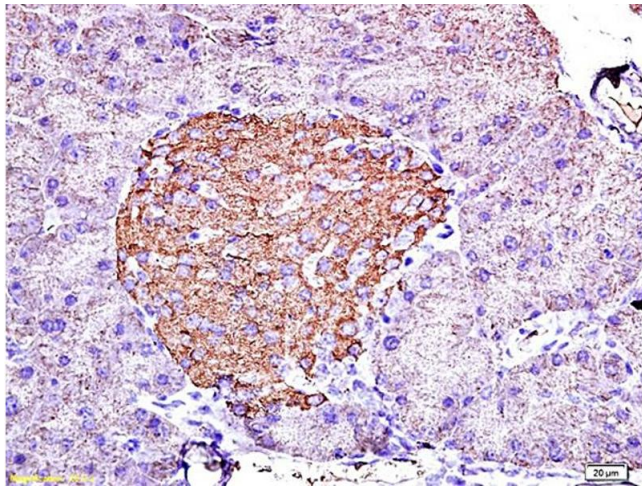
Image 1. Changes in adrenal glands and pancreas in acNTS injured mice. (A) Changes in serum corticosterone levels. Two days after surgery, both surgical and sham mice showed a transient increase in corticosterone levels. (B) Adrenal index (the ratio of adrenal mass to body weight) did not change after acNTS injury. (C) Serum insulin levels in acNTS injured mice are significantly elevated. (D) The average volume of islets of acNTS injured mice was significantly increased. (E) Insulin immunohistochemical staining, scale bar = 100 µm. Data in (B-D) were shown as means ± SEM, p < 0.01. - figure provided by CiteAb. Source: PMID30618599





Immunofluorescence

Image 2. Formalin-fixed and paraffin embedded rat pancreas tissue labeled with Anti-Insulin Polyclonal Antibody, Unconjugated (ABIN724265) 1:200 followed by conjugation to the secondary antibody Goat Anti-Rabbit IgG, FITC conjugated used at 1:200 dilution for 40 minutes at 37°C.



Immunohistochemistry

Image 3. Formalin-fixed and paraffin embedded mouse pancreas labeled with Anti-Insulin Polyclonal Antibody, Unconjugated (ABIN724265) 1:200 followed by conjugation to the secondary antibody and DAB staining

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN724265.