Datasheet for ABIN7429841

# anti-Insulin antibody (AA 25-110)

3 Images

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## Overview

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|---|---|
| Quantity: | 100 µL |
| Target: | Insulin (INS) |
| Binding Specificity: | AA 25-110 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This Insulin antibody is un-conjugated |
| Application: | Immunohistochemistry (IHC), Western Blotting (WB), Immunoprecipitation (IP), Immunocytochemistry (ICC) |

## Product Details

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|---|---|
| Purpose: | Polyclonal Antibody to Insulin (INS) |
| Immunogen: | Recombinant Insulin (INS) corresdonding to Phe25~Asn110 with N-terminal His and GST Tag |
| Isotype: | IgG |
| Specificity: | The antibody is a rabbit polyclonal antibody raised against INS. It has been selected for its ability to recognize INS in immunohistochemical staining and western blotting. |
| Cross-Reactivity: | Mouse |
| Purification: | Antigen-specific affinity chromatography followed by Protein A affinity chromatography |

## Target Details

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|---|---|
| Target: | Insulin (INS) |
| Alternative Name: | Insulin (INS Products) |
| 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: | Western blotting: 0.5-2 µg/mL<br>Immunohistochemistry: 5-20 µg/mL<br>Immunocytochemistry: 5-20 µg/mL<br>Optimal working dilutions must be determined by end user. |
| Comment: | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| Restrictions: | For Research Use only |

## Handling

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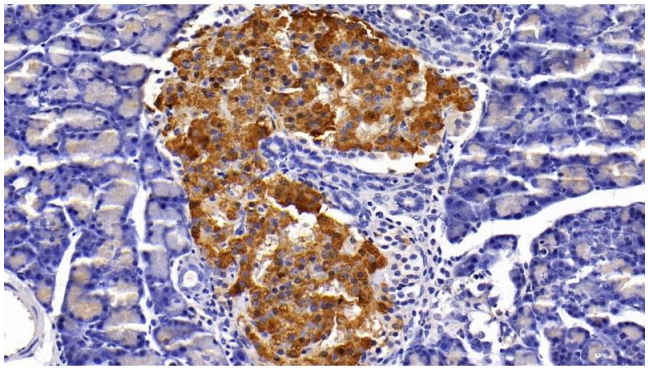
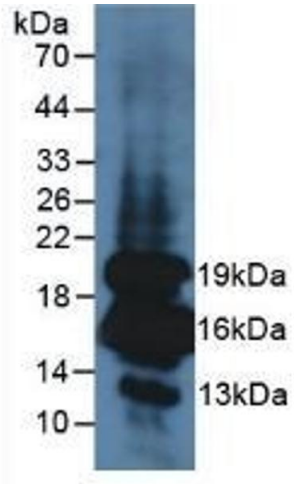
| Format: | Liquid |
| Buffer: | PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles. |
| Expiry Date: | 24 months |



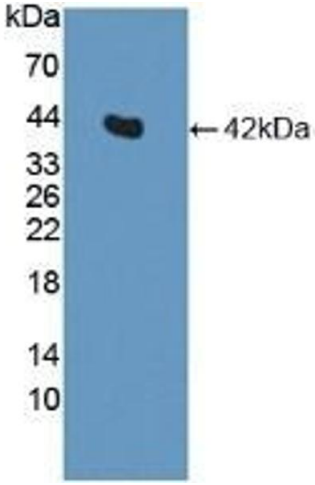
**Immunohistochemistry**

**Image 1.** Detection of INS in Rat Pancreas Tissue using Polyclonal Antibody to Insulin (INS)




**Western Blotting**

**Image 2.** Detection of INS in Mouse Pancreas Tissue using Polyclonal Antibody to Insulin (INS)




**Western Blotting**

**Image 3.** Detection of Recombinant INS, Canine using Polyclonal Antibody to Insulin (INS)