.-online.com antibodies

Datasheet for ABIN7267886 anti-Insulin antibody

5 Images



Overview

| Quantity: | 100 μL |
|--------------|--|
| Target: | Insulin (INS) |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Monoclonal |
| Conjugate: | This Insulin antibody is un-conjugated |
| Application: | Immunohistochemistry (IHC), Western Blotting (WB), Immunofluorescence (IF) |

Product Details

| Purpose: | Insulin Rabbit mAb |
|-------------------|--|
| Immunogen: | A synthesized peptide derived from human Insulin |
| lsotype: | lgG |
| Cross-Reactivity: | Mouse, Rat |
| Characteristics: | Monoclonal Antibodies |
| Purification: | Affinity purification |

Target Details

| Target: | Insulin (INS) |
|-------------------|--|
| Alternative Name: | INS (INS Products) |
| Background: | After removal of the precursor signal peptide, proinsulin is post-translationally cleaved into |

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN7267886 | 04/24/2024 | Copyright antibodies-online. All rights reserved.

| three | peptides: the B chain and A chain peptides, which are covalently linked via two disulfide |
|-----------------------|---|
| bond | s to form insulin, and C-peptide. Binding of insulin to the insulin receptor (INSR) stimulates |
| gluco | se uptake. A multitude of mutant alleles with phenotypic effects have been identified. |
| There | e is a read-through gene, INS-IGF2, which overlaps with this gene at the 5' region and with |
| the IC | GF2 gene at the 3' region. Alternative splicing results in multiple transcript variants. |
| [prov | ided by RefSeq, Jun |
| 2010 | ,IDDM;IDDM1;IDDM2;ILPR;IRDN;MODY10;INS;Insulin;insulin,AMPK Signaling |
| Pathy | way,Cancer,Cardiovascular,Cardiovascular diseases,Cardiovascular diseases_Heart |
| disea | se,Cell Biology & Developmental Biology,Endocrine & Metabolism,Endocrine and metabolic |
| disea | ses,Endocrine and metabolic diseases_Diabetes,Endocrine and metabolic |
| disea | ses_Obesity,Growth factors,Heart,Immunology & Inflammation,Neuroscience,NF-kB |
| Signa | ling Pathway,Signal Transduction,Stem Cells,INS |
| Molecular Weight: kDa | |
| Gene ID: 3630 | |
| UniProt: P013 | 08 |
| Pathways: NF-ka | appaB Signaling, RTK Signaling, Positive Regulation of Peptide Hormone Secretion, Peptide |
| Horm | one Metabolism, Hormone Activity, Carbohydrate Homeostasis, ER-Nucleus Signaling, |
| Regu | lation of Carbohydrate Metabolic Process, Feeding Behaviour, Autophagy, Negative |
| Regu | lation of intrinsic apoptotic Signaling, Brown Fat Cell Differentiation, Positive Regulation of |

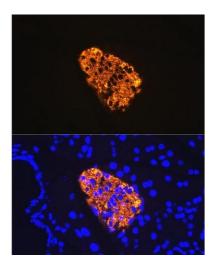
fat Cell Differentiation

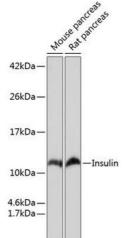
Application Details

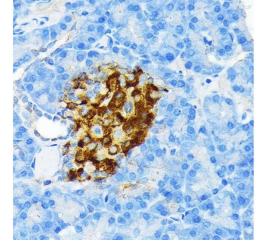
| Application Notes: | WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200 |
|--------------------|--|
| Restrictions: | For Research Use only |
| Handling | |
| Format: | Liquid |
| Buffer: | PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |
| | |

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/3 | Product datasheet for ABIN7267886 | 04/24/2024 | Copyright antibodies-online. All rights reserved. Storage Comment:

Images







Immunofluorescence

Image 1. Immunofluorescence analysis of rat pancreas using Insulin Rabbit mAb (ABIN7267886) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using Insulin antibody (ABIN7267886) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 3 min.

Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded rat pancreatic islet using Insulin Rabbit mAb (ABIN7267886) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

Please check the product details page for more images. Overall 5 images are available for ABIN7267886.

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 3/3 | Product datasheet for ABIN7267886 | 04/24/2024 | Copyright antibodies-online. All rights reserved.