Datasheet for ABIN6142549

anti-ISL1 antibody (AA 1-349)

1 Image

Go to Product page

Overview

Quantity:	100 µL
Target:	ISL1
Binding Specificity:	AA 1-349
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ISL1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-349 of human Islet1 (NP_002193.2).
Sequence:	MGDMGDPPKK KRLISLCVGC GNQIHDQYIL RVSPDLEWHA ACLKCAECNQ YLDESCTCFV RDGKTYCKRD YIRLYGIKCA KCSIGFSKND FVMRARSKVY HIECFRCVAC SRQLIPGDEF ALREDGLFCR ADHDVVERAS LGAGDPLSPL HPARPLQMAA EPISARQPAL RPHVHKQPEK TTRVRTVLNE KQLHTLRTCY AANPRPDALM KEQLVEMTGL SPRVIRVWFQ NKRCKDKKRS IMMKQLQQQQ PNDKTNIQGM TGTPMVAASP ERHDGGLQAN PVEVQSYQPP WKVLSDFALQ SDIDQPAFQQ LVNFSEGGPG SNSTGSEVAS MSSQLPDTPN SMVASPIEA
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	ISL1
Alternative Name:	ISL1 (ISL1 Products)
Background:	This gene encodes a member of the LIM/homeodomain family of transcription factors. The encoded protein binds to the enhancer region of the insulin gene, among others, and may play an important role in regulating insulin gene expression. The encoded protein is central to the development of pancreatic cell lineages and may also be required for motor neuron generation. Mutations in this gene have been associated with maturity-onset diabetes of the young.,ISL1,ISLET1,Isl-1,Epigenetics & Nuclear Signaling,Transcription Factors,Cell Biology & Developmental Biology,Endocrine & Metabolism,Endocrine and metabolic diseases,Diabetes,Neuroscience,Cell Type Marker,Stem Cells,Neural Stem Cells,Cardiovascular,Heart,Cardiogenesis,Neuron marker,ISL1
Molecular Weight:	39 kDa
Gene ID:	3670
UniProt:	P61371
Pathways:	Positive Regulation of Peptide Hormone Secretion, Intracellular Steroid Hormone Receptor Signaling Pathway, Peptide Hormone Metabolism, Regulation of Intracellular Steroid Hormone Receptor Signaling, Nuclear Hormone Receptor Binding, Chromatin Binding

Application Details

Application Notes:	WB,1:500 - 1:2000
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

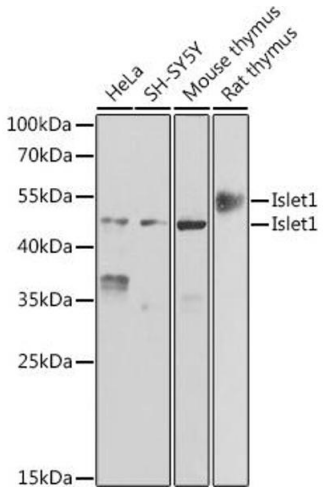
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,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

Handling

Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using Islet1 antibody (ABIN6131805, ABIN6142549, ABIN6142550 and ABIN6222006) at 1:500 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: 5s.