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Datasheet for ABIN7268024 anti-ISL1 antibody

2 Images



Overview

Quantity:	100 µL
Toract	
Target:	ISL1
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This ISL1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	Islet1 Rabbit mAb
Immunogen:	A synthesized peptide derived from human Islet1
lsotype:	lgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	ISL1
Alternative Name:	ISL1 (ISL1 Products)
Background:	This gene encodes a member of the LIM/homeodomain family of transcription factors. The

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	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.
	[provided by RefSeq, Jul 2008],ISLET1, Isl-1,Cardiovascular,Cell Biology & Developmental
	Biology,Cell Type Marker,Cell Type Marker_Neuron marker,Endocrine & Metabolism,Endocrine
	and metabolic diseases,Endocrine and metabolic diseases_Diabetes,Epigenetics & Nuclear
	Signaling,Heart,Heart_Cardiogenesis,Neural Stem Cells,Neuroscience,Stem Cells,Transcription
	Factors,ISL1
Molecular Weight:	Factors,ISL1 39kDa
Molecular Weight: Gene ID:	
	39kDa
Gene ID:	39kDa 3670

Receptor Signaling, Nuclear Hormone Receptor Binding, Chromatin Binding

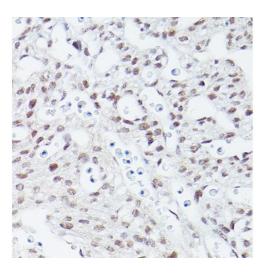
Application Details

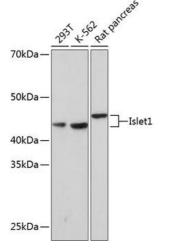
Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200
Restrictions:	For Research Use only

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

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Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded mouse fetal Heart using Islet1 Rabbit mAb (ABIN7268024) at dilution of 1:100 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using Islet1 Rabbit mAb (ABIN7268024) 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: 30s.

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