

Datasheet for ABIN7599791
anti-ISL1 antibody (AA 118-289)



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Overview

Quantity:	100 µg
Target:	ISL1
Binding Specificity:	AA 118-289
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ISL1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Anti-Islet 1/ISL1 Antibody Picoband®
Immunogen:	E.coli-derived human ISL1 recombinant protein (Position: D118-Q289). Human Islet 1/ISL1 shares 100% amino acid (aa) sequence identity with both mouse and rat ISL1.
Characteristics:	Anti-Islet 1/ISL1 Antibody Picoband® (ABIN7599791). Tested in WB, ELISA applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	ISL1
Alternative Name:	ISL1 (ISL1 Products)
Background:	Insulin gene enhancer protein ISL-1 is a protein that in humans is encoded by the isl1 gene. 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.
Molecular Weight:	50 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:	Western blot, 0.25-0.5 µg/mL, Human ELISA, 0.1-0.5 µg/mL, - 1. "Entrez Gene: ISL1 ISL1 transcription factor, LIM/homeodomain, (islet-1)". 2. Gay F, Anglade I, Gong Z, Salbert G (October 2000). "The LIM/homeodomain protein islet-1 modulates estrogen receptor functions". Mol. Endocrinol. 14 (10): 1627-48. 3. Tanizawa Y, Riggs AC, Dagogo-Jack S, Vaxillaire M, Froguel P, Liu L, Donis-Keller H, Permutt MA (July 1994). "Isolation of the human LIM/homeodomain gene islet-1 and identification of a simple sequence repeat polymorphism [corrected]". Diabetes. 43 (7): 935-41.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.

Handling

Storage: 4 °C, -20 °C

Storage Comment: At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.