

Datasheet for ABIN7599788
anti-ISL1 antibody (AA 118-161)



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Overview

Quantity:	100 µg
Target:	ISL1
Binding Specificity:	AA 118-161
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ISL1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-Islet 1/ISL1 Antibody Picoband®
Immunogen:	E.coli-derived human Islet 1/ISL1 recombinant protein (Position: D118-E161). Human ISL1 shares 100% amino acid (aa) sequence identity with both mouse and rat ISL1.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Anti-Islet 1/ISL1 Antibody Picoband® (ABIN7599788). Tested in ELISA, IF, IHC, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. 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.

Product Details

Purification: Immunogen affinity purified.

Target Details

Target:	ISL1
Alternative Name:	ISL1 (ISL1 Products)
Background:	Synonyms: 70 kDa ribosomal protein S6 kinase 1 antibody, KS6B1_HUMAN antibody, p70 alpha antibody, P70 beta 1 antibody, p70 ribosomal S6 kinase alpha antibody, p70 ribosomal S6 kinase beta 1 antibody, p70 S6 kinase alpha antibody, P70 S6 Kinase antibody, p70 S6 kinase alpha 1 antibody, p70 S6 kinase alpha 2 antibody, p70 S6K antibody, p70 S6K-alpha antibody, p70 S6KA antibody, p70(S6K) alpha antibody, p70(S6K)-alpha antibody, p70-alpha antibody, p70-S6K 1 antibody, p70-S6K antibody, P70S6K antibody, P70S6K1 antibody, p70S6Kb antibody, PS6K antibody, Ribosomal protein S6 kinase 70 kDa polypeptide 1 antibody, Ribosomal protein S6 kinase beta 1 antibody, Ribosomal protein S6 kinase beta-1 antibody, Ribosomal protein S6 kinase I antibody, RPS6KB1 antibody, S6K antibody, S6K-beta-1 antibody, S6K1 antibody, Serine/threonine kinase 14 alpha antibody, Serine/threonine-protein kinase 14A antibody, STK14A antibody Tissue Specificity: Expressed in all tissues. 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:	42 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

Application Details

Immunohistochemistry, 2-5 µg/mL, Mouse, Rat

Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human

Immunofluorescence, 5 µg/mL, Mouse, Rat

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.

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.