

Datasheet for ABIN952960

anti-ISL1 antibody (Middle Region)[Go to Product page](#)**2** Images

Overview

Quantity:	0.4 mL
Target:	ISL1
Binding Specificity:	AA 155-185, Middle Region
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ISL1 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 155-185 amino acids from the Central region of human Islet-1 / ISL1
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human and Mouse Islet-1 / ISL1 (Center).
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	ISL1
Alternative Name:	Islet-1 / ISL1 (ISL1 Products)
Background:	ISL1 is a member of the LIM/homeodomain family of transcription factors. The encoded

Target Details

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. Synonyms: Insulin gene enhancer protein ISL-1

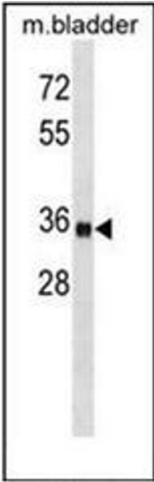
Molecular Weight:	39036 Da
Gene ID:	3670
NCBI Accession:	NP_002193
Pathways:	Positive Regulation of Peptide Hormone Secretion , Intracellular Steroid Hormone Receptor Signaling Pathway , Peptide Hormone Metabolism , Regulation of Intracellular Steroid Hormone Receptor Signaling , Nuclear Hormone Receptor Binding , Chromatin Binding

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

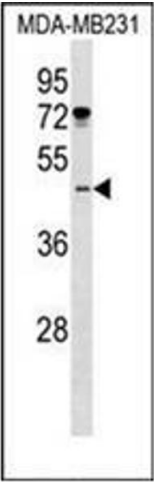
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. Western blot analysis of Islet-1 / ISL1 Antibody (Center) in mouse bladder tissue lysates (35ug/lane). This demonstrates the ISL1 antibody detected the ISL1 protein (arrow).



Western Blotting

Image 2. Western blot analysis of Islet-1 / ISL1 Antibody (Center) in MDA-MB231 cell line lysates (35ug/lane). This demonstrates the ISL1 antibody detected the ISL1 protein (arrow).