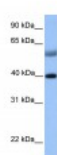




ISL1 Antibody

CATALOG NUMBER: 25-057



Antibody used in WB on Human Muscle at
0.2-1 ug/ml.

Specifications

SPECIES REACTIVITY:	Human, Mouse, Rat
TESTED APPLICATIONS:	ELISA, WB
APPLICATIONS:	ISL1 antibody can be used for detection of ISL1 by ELISA at 1:312500. ISL1 antibody can be used for detection of ISL1 by western blot at 1 ug/mL, and HRP conjugated secondary antibody should be diluted 1:50,000 - 100,000.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
POSITIVE CONTROL:	1) Cat. No. XBL-10413 - Fetal Skeletal Muscle Tissue Lysate
PREDICTED MOLECULAR WEIGHT:	39 kDa
IMMUNOGEN:	Antibody produced in rabbits immunized with a synthetic peptide corresponding a region of human ISL1.
HOST SPECIES:	Rabbit

Properties

PURIFICATION:	Antibody is purified by peptide affinity chromatography method.
PHYSICAL STATE:	Lyophilized
BUFFER:	Antibody is lyophilized in PBS buffer with 2% sucrose. Add 50 uL of distilled water. Final antibody concentration is 1 mg/mL.
CONCENTRATION:	1 mg/ml
STORAGE CONDITIONS:	For short periods of storage (days) store at 4°C. For longer periods of storage, store ISL1 antibody at -20°C. As with any antibody avoid repeat freeze-thaw cycles.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	ISL1, Isl-1, ISLET1
ACCESSION NO.:	NP_002193
PROTEIN GI NO.:	115387114
OFFICIAL SYMBOL:	ISL1

GENE ID: 3670

Background

BACKGROUND: ISL1 is a member of the LIM/homeodomain family of transcription factors. It binds to the enhancer region of the insulin gene, among others, and may play an important role in regulating insulin gene expression. ISL1 is central to the development of pancreatic cell lineages and may also be required for motor neuron generation. 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. Please see the Entrez Gene record to access additional publications.

REFERENCES: 1) Laurin, N., (er) Am. J. Med. Genet. B Neuropsychiatr. Genet. (2008) In press.

FOR RESEARCH USE ONLY

December 12, 2016