

Rabbit ISL2 Polyclonal Antibody | anti-ISL2 antibody

ISL2 Antibody (N-term)

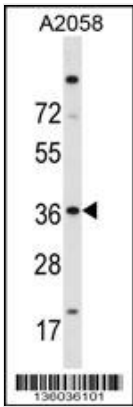
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289187	Rabbit	Human (Predicted Reactivity: Mouse, Rat)	Western Blot, ELISA, Immunofluorescence

PRODUCT SYNONYMS

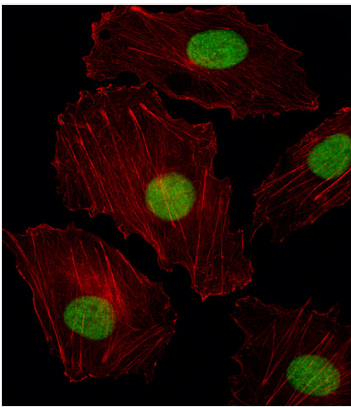
ISL2; Polyclonal Antibody; ISL2 Antibody (N-term); Insulin gene enhancer protein ISL-2; Islet-2; anti-ISL2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ISL2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human ISL2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	1-30
Sequence Length	359
Applicable Applications for anti-ISL2 antibody	WB (Western Blot), ELISA, IF (Immunofluorescence)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
ISL2 Antibody (N-term) western blot analysis in A2058 cell line lysates (35ug/lane). This demonstrates the ISL2 antibody detected the ISL2 protein (arrow).



IF (Immunofluorescence)
Fluorescent image of HUVEC cell stained with ISL2 Antibody (N-term). HUVEC cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with ISL2 primary antibody (1:25, 1 h at 37 degree). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 degree). Cytoplasmic actin was counterstained with Alexa Fluor 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37 degree). ISL2 immunoreactivity is localized to Nucleus significantly.

ADDITIONAL INFORMATION

Related Product Information for anti-ISL2 antibody	ISL2 is a transcriptional factor that defines subclasses of motoneurons that segregate into columns in the spinal cord and select distinct axon pathways (By similarity).
Product Categories/Family for anti-ISL2 antibody	Neuroscience
References	Li, Y., et al. Mol. Biol. Rep. 34(1):19-26(2007) Beausoleil, S.A., et al. Proc. Natl. Acad. Sci. U.S.A. 101(33):12130-12135(2004) Beausoleil, S.A., et al. Proc. Natl. Acad. Sci. U.S.A. 101(33):12130-12135(2004) Jurata, L.W., et al. J. Biol. Chem. 273(6):3152-3157(1998)

NCBI AND UNIPROT INFORMATION

NCBI GI #	21956641
NCBI GeneID	64843
NCBI Accession #	NP_665804.1
NCBI GenBank Nucleotide #	NM_145805.2
UniProt Accession #	Q96A47; B3KM37
Molecular Weight	39768
NCBI Official Full Name	insulin gene enhancer protein ISL-2
NCBI Official Synonym Full Names	ISL LIM homeobox 2
NCBI Official Symbol	ISL2
NCBI Protein Information	insulin gene enhancer protein ISL-2
UniProt Protein Name	Insulin gene enhancer protein ISL-2
UniProt Gene Name	ISL2
UniProt Synonym Gene Names	Islet-2
UniProt Entry Name	ISL2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/isl2-antibody-western-blot-immunofluorescence-elisa/289187>