

Mouse anti-Human ISL1 Antibody | anti-ISL1 antibody

ISL1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA108526	Mouse	Human	ELISA, Immunofluorescence, Immunohistochemistry, Western Blot

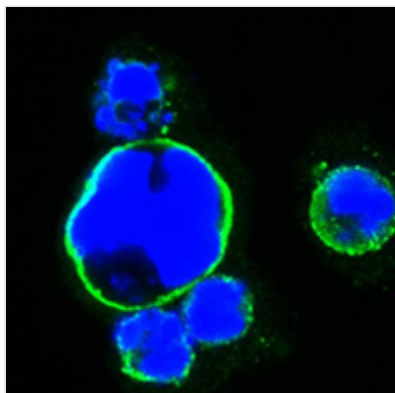
PRODUCT SYNONYMS

ISL1; ISL1 Antibody; Isl-1; ISLET1; anti-ISL1 antibody

PRODUCT SPECIFICATIONS

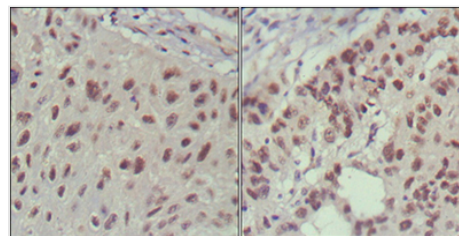
Host	Mouse
Reactivity	Human
Isotype	IgG1
Clone Number	1H9
Form/Format	Ascitic fluid containing 0.03% sodium azide.
Sequence Length	349
Applicable Applications for anti-ISL1 antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Purified recombinant fragment of human ISL1 expressed in E. Coli.
Preparation and Storage	Store at 4 degree C, for long term storage, store at -20 degree C

IMAGES



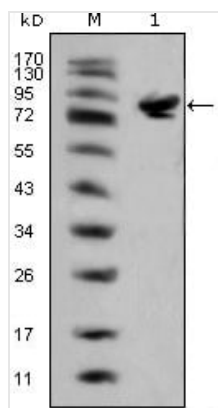
IHC (Immunohistochemistry)

Figure 3. Immunohistochemical analysis of paraffin-embedded human Heart tissues using MYL3 mouse mAb.



IHC (Immunohistochemistry)

Figure 2. Immunohistochemical analysis of paraffin-embedded human lung cancer (left) and cervical carcinoma (right), showing nuclear localization using ISL1 mouse mAb with DAB staining.



WB (Western Blot)

Figure 1. Western blot analysis using MYL3 (1) and MYL2 (2) mouse mAb against rat fetal heart tissues lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-ISL1 antibody	ISL1 (ISL1 transcription factor, LIM/homeodomain) 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. It is central to the development of pancreatic cell lineages and may also be required for motor neuron generation. Islet-1 expression defines cardiac progenitor cell populations and is required for normal cardiac development and asymmetry. Mutations in this gene have been associated with maturity-onset diabetes of the young.
Product Categories/Family for anti-ISL1 antibody	Autophagy antibody ; Cancer ; Cardiovascular ; Cell Biology ; Epigenetics & Nuclear Signaling ; Developmental Biologys ; Immunology ; Drug Discovery Products ; Metabolism ; Neuroscience ; Signal Transduction ; Stem Cells

NCBI AND UNIPROT INFORMATION

NCBI GI #	115387114
NCBI GeneID	3670
NCBI Accession #	NP_002193.2
NCBI GenBank Nucleotide #	NM_002202.2
UniProt Accession #	P61371; P20663; P47894
Molecular Weight	39kDa
NCBI Official Full Name	insulin gene enhancer protein ISL-1
NCBI Official Synonym Full Names	ISL LIM homeobox 1
NCBI Official Symbol	ISL1
NCBI Official Synonym Symbols	Isl-1; ISLET1
NCBI Protein Information	insulin gene enhancer protein ISL-1
UniProt Protein Name	Insulin gene enhancer protein ISL-1
UniProt Gene Name	ISL1
UniProt Synonym Gene Names	Islet-1

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.