

Product Name: ISL1 Mouse Monoclonal Antibody
Catalog #: AMM80738



Summary

Production Name	ISL1 Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	IHC, ICC, ELISA
Reactivity	Human, Mouse, Rat, Rabbit

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Immunogen

Gene Name	ISL1
Alternative Names	Isl-1; ISLET1
Gene ID	3670.0
SwissProt ID	P61371. Purified recombinant fragment of human ISL1 expressed in E. Coli.

Application

Dilution Ratio	IHC:1:100-1:500, ICC:1:50-1:500, ELISA:1:10000
Molecular Weight	39kDa

Background

ISL1 (ISL1 transcription factor, LIM/homeodomain) is a member of the LIM/homeodomain family of transcription factors. It

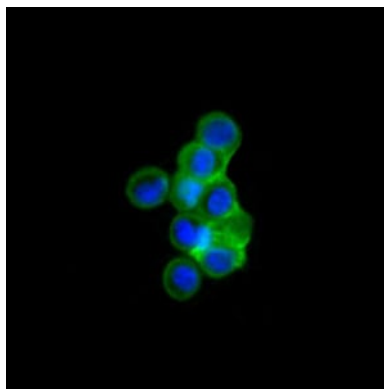
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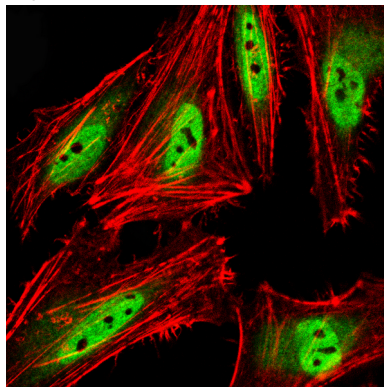
binds to the enhancer region of the insulin gene, among others, and may play an important role in regulating insulin gene expression. It is central to the development of pancreatic cell lineages and may also be required for motor neuron generation. Islet-1 expression defines cardiac progenitor cell populations and is required for normal cardiac development and asymmetry. Mutations in this gene have been associated with maturity-onset diabetes of the young.

Research Area

Image Data

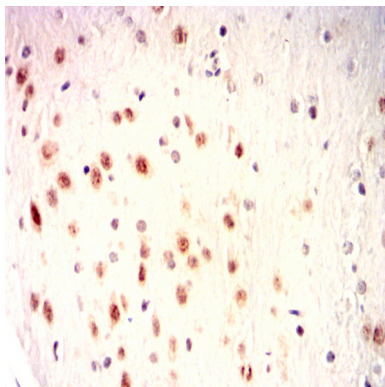


Confocal Immunofluorescence analysis of HEK293 cells trasfected with full-length ISL1-hIgGFc using ISL1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.

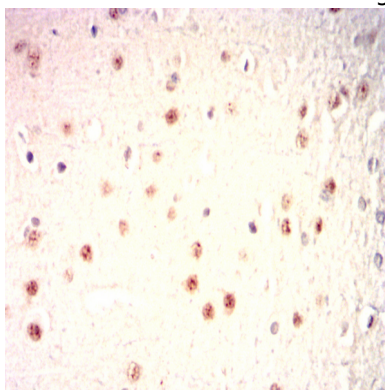


Immunofluorescence analysis of Hela cells using ISL1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.

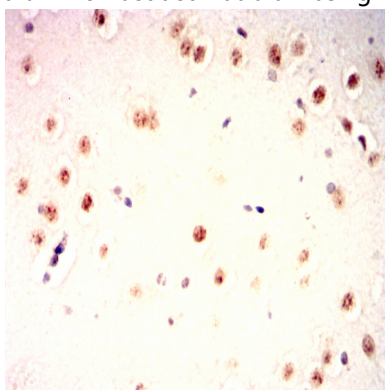
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Immunohistochemical analysis of paraffin-embedded Mouse brain using ISL1 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded Rat brain using ISL1 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded Rabbit brain using ISL1 mouse mAb with DAB staining.

Note

For research use only.