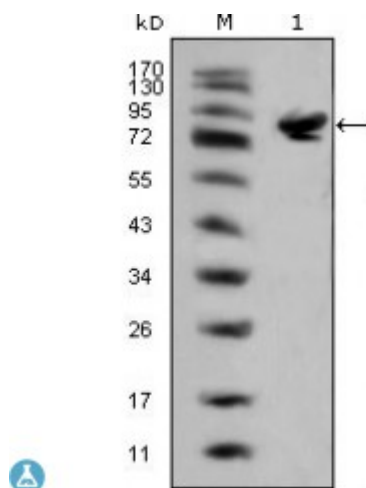


Anti-Islet-1 antibody



Description	Mouse monoclonal to Islet-1.
Model	STJ98184
Host	Mouse
Reactivity	Human
Applications	ELISA, IF, IHC, WB
Immunogen	Purified recombinant fragment of human Islet-1 expressed in E. Coli.
Gene ID	3670
Gene Symbol	ISL1
Dilution range	WB 1:500-1:2000IHC 1:200-1:1000IF 1:200-1:1000ELISA 1:10000
Specificity	Islet-1 Monoclonal Antibody detects endogenous levels of Islet-1 protein.
Tissue Specificity	Expressed in subsets of neurons of the adrenal medulla and dorsal root ganglion, inner nuclear and ganglion cell layers in the retina, the pineal and some regions of the brain.
Purification	Affinity purification
Clone ID	1H9
Note	For Research Use Only (RUO).
Protein Name	Insulin gene enhancer protein ISL-1 Islet-1
Clonality	Monoclonal
Conjugation	Unconjugated

Isotype	IgG1
Formulation	Ascitic fluid containing 0.03% sodium azide.
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:6132OMIM:600366
Alternative Names	Insulin gene enhancer protein ISL-1 Islet-1
Function	DNA-binding transcriptional activator. Recognizes and binds to the consensus octamer binding site 5'-ATAATTAA-3' in promoter of target genes. Plays a fundamental role in the gene regulatory network essential for retinal ganglion cell (RGC) differentiation. Cooperates with the transcription factor POU4F2 to achieve maximal levels of expression of RGC target genes and RGC fate specification in the developing retina. Involved in the specification of motor neurons in cooperation with LHX3 and LDB1. Binds to insulin gene enhancer sequences.
Cellular Localization	Nucleus
Post-translational Modifications	Phosphorylated.

St John's Laboratory Ltd

F +44 (0)207 681 2580

T +44 (0)208 223 3081

W <http://www.stjohnslabs.com/>

E info@stjohnslabs.com