

For Research Use Only

Islet 1 Recombinant antibody

Catalog Number: 83784-4-RR



Basic Information

Catalog Number: 83784-4-RR	GenBank Accession Number: BC031213	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 3670	CloneNo.: 240833D7
Source: Rabbit	UNIPROT ID: P61371	Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:125-1:500
Isotype: IgG	Full Name: ISL LIM homeobox 1	
Immunogen Catalog Number: AG33541	Calculated MW: 39 kDa	
	Observed MW: 39-45 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls: WB : SH-SY5Y cells, Y79 cells IF/ICC : SH-SY5Y cells,
Species Specificity: human	

Background Information

ISL1 belongs to the LIM homeodomain transcription factor family that binds to the enhancer region of the INS gene. It plays a pivotal role in cardiogenesis, and lacking ISL1 expression results in growth arrest or displays profound defects in heart development, including atria, ventricle, and the inflow and outflow tracts. Ubiquitinated probably by WWP1 E3 ubiquitin ligase; ubiquitination is followed by protein degradation.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

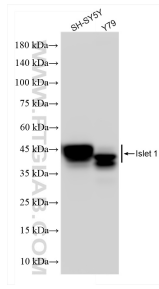
T: 4006900926

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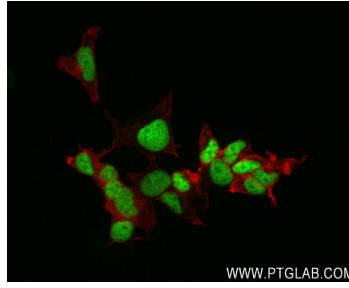
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83784-4-RR (Islet 1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed SH-SY5Y cells using Islet 1 antibody (83784-4-RR, Clone: 240833D7) at dilution of 1:250 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).