

Product Datasheet

Islet-1 Antibody (2E7) - Azide and BSA Free H00003670-M05

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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H00003670-M05

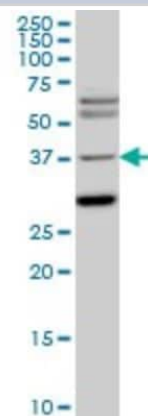
Islet-1 Antibody (2E7) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2E7
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	3670
Gene Symbol	ISL1
Species	Human, Mouse, Rat
Specificity/Sensitivity	ISL1 - ISL1 transcription factor, LIM/homeodomain, (islet-1)
Immunogen	ISL1 (NP_002193, 63 a.a. ~ 159 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. YCKRDYIRLYGIKCAKCSIGFSKNDFVMRARSKVYHIECFRCVACSRQLIPGDEF ALREDGLFCRADHDVVERASLGAGDPLSPLHPARPLQMAAEP
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Functional, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot 1:500, ELISA, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Functional, Chromatin Immunoprecipitation (ChIP)
Application Notes	This antibody reactivity against cell lysate and recombinant protein for WB. It has been useful for IF and ELISA. IP usage reported in scientific literature (PMID: 25070240). Use in chromatin immunoprecipitation reported in scientific literature (PMID: 26635867).

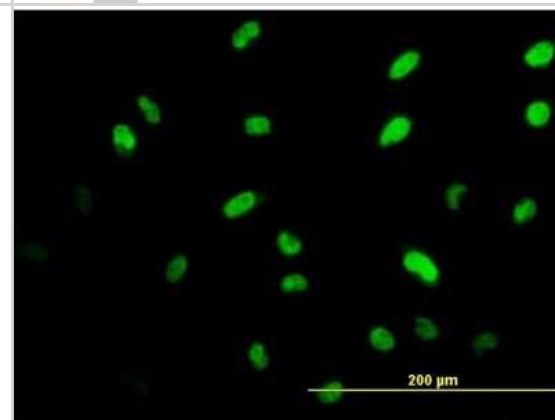


Images

Western Blot: Islet-1 Antibody (2E7) [H00003670-M05] - Analysis of ISL1 expression in PC-12 (Cat # L012V1).



Immunocytochemistry/Immunofluorescence: Islet-1 Antibody (2E7) [H00003670-M05] - Analysis of monoclonal antibody to ISL1 on HeLa cell. Antibody concentration 10 ug/ml



Publications

Qiong S, Xiaomei N, Ming L et al. Phosphorylation of islet-1 serine 269 by CDK1 increases its transcriptional activity and promotes cell proliferation in gastric cancer. *Mol Med*. 2021-05-07 [PMID: 33962568]

Tian Y, Wang W, Lu Q et al. Cross-talk of SFRP4, integrin alpha1B1, and Notch1 inhibits cardiac differentiation of P19CL6 cells. *Cell Signal* 2016-08-16 [PMID: 27542621]

Yang Z, Zhang Q, Lu Q et al. ISL-1 promotes pancreatic islet cell proliferation by forming an ISL-1/Set7/9/PDX-1 complex. *Cell Cycle* 2015-01-01 [PMID: 26176407] (WB)

Lizio M, Ishizu Y, Itoh M et al. Mapping Mammalian Cell-type-specific Transcriptional Regulatory Networks Using KD-CAGE and CHIP-seq Data in the TC-YIK Cell Line. *Front Genet* 2015-01-01 [PMID: 26635867] (Chemotaxis)

Guo T, Wang W, Zhang H et al. ISL1 Promotes Pancreatic Islet Cell Proliferation. *PLoS One*. 2011-08-04 [PMID: 21829621]

Li B, Jia Z, Wang T et al. Interaction of Wnt/b-catenin and Notch signaling in the early stage of cardiac differentiation of P19CL6 cells. *J Cell Biochem*. 2011-09-28 [PMID: 21956839]

Zhang Qiao, Yang Zhe, Wang Weiping et al. A positive feedback regulation of ISL-1 in DLBCL but not in pancreatic beta-cells. *Biochem Biophys Res Commun*. 2014-07-04 [PMID: 24845569]

Zhang Qiao, Yang Zhe, Jia Zhuqing et al. ISL-1 is overexpressed in non-Hodgkin lymphoma and promotes lymphoma cell proliferation by forming a p-STAT3/p-c-Jun/ISL-1 complex. *Mol Cancer*. 2014-07-29 [PMID: 25070240] (IP)



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Products Related to H00003670-M05

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
NBP2-33831PEP	Islet-1 Recombinant Protein Antigen

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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