

Islet-1 Monoclonal Antibody

Description

Product type	Primary Antibody
Code	BT-MCA0788
Host	Mouse
Isotype	IgG
Size	50ul, 100ul
Immunogen	Purified recombinant fragment of human Islet-1 expressed in E. Coli.
Mol wt	N/A
Species reactivity	Human
Clonality	Monoclonal
Recommended application	WB, IHC-p, IF, ICC, ELISA
Concentration	1 mg/ml
Full name	Insulin gene enhancer protein ISL-1
Synonyms	ISL1; Insulin gene enhancer protein ISL-1; Islet-1

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

This gene encodes a member of the LIM/homeodomain family of transcription factors. The encoded protein binds to the enhancer region of the insulin gene, among others, and may play an important role in regulating insulin gene expression. The encoded protein is central to the development of pancreatic cell lineages and may also be required for motor neuron generation. Mutations in this gene have been associated with maturity-onset diabetes of the young.

Recommended Dilution

ELISA: 1:10000

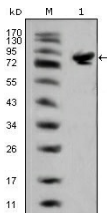
IF: 1:200 - 1:1000

IHC: 1:200 - 1:1000

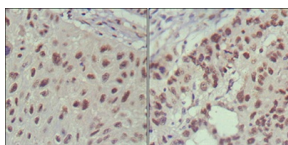
WB: 1:500 - 1:2000

Not yet tested in other applications.

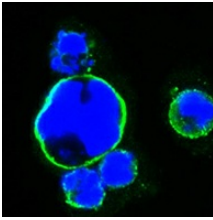
Images



Western Blot analysis using Islet-1 Monoclonal antibody against full-length ISL1 (aa1-349)-hlgGFc transfected HEK293 cell lysate(1).



Immunohistochemistry analysis of paraffin-embedded human lung cancer (left) and cervical carcinoma (right), showing nuclear localization with DAB staining using Islet-1 Monoclonal antibody.



Confocal immunofluorescence analysis of HEK293 cells trasfected with full-length ISL1-hIgGFc using Islet-1 Monoclonal antibody (green). Blue: DRAQ5 fluorescent DNA dye.

Storage

-20°C for one year

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