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anti-GLIS1 antibody (N-Term)



Overview

Clonality:



Quantity:	100 μg
Target:	GLIS1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse
Host:	Rat

Conjugate: This GLIS1 antibody is un-conjugated

Monoclonal

Application: Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen: This antibody was raised against a peptide within the amino-terminal half of human GLIS1 (GLI-similar 1), which shares homology with mouse GLIS1.

Clone:	7-14
Isotype:	IgG1 kappa
Characteristics:	GLIS1 (Glis Family Zinc Finger 1) belongs to a GLIS subfamily of Krüppel-like zinc-finger
	transcription factors characterized to regulate a set of downstream targets essential for cellular
	functions, including pancreatic development, b-cell maturation and maintenance, and insulin
	production. GLIS1 is enriched in unfertilized eggs and embryos and it can be used to promote
	direct reprogramming of somatic cells to induced pluripotent stem cells (iPS cells). GLIS1 may

Product Details

regulate the expression of numerous genes, either positively or negatively, and is implicated in
mitral valve development, where dysregulation may lead to mitral valve prolapse (MVP). GLIS1
antibody (mAb) (Clone 7-14) was raised in a Rat host. It has been validated for use in
Immunofluorescence and Western blot, it has been shown to react with Human and Mouse
samples.

Purification:

Protein G Chromatography

Target Details

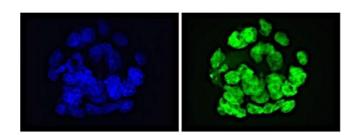
Target:	GLIS1
Alternative Name:	GLIS1 (GLIS1 Products)
Molecular Weight:	95 kDa
NCBI Accession:	NP_671726

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Buffer:	Purified IgG in PBS with 30 % glycerol and 0.035 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at - 20°C for up to 2 years. Keep all reagents on ice when not in storage.



Immunofluorescence

Image 1. GLIS1 antibody (mAb) tested by Immunofluorescence. Formaldehyde-fixed mouse embryonic stem cells (ES cells). Left panel: DAPI staining. Right Panel: GLIS1 antibody.

___ 195
___ 142
___ 96
___ 71
___ 48
___ 33
___ 28

Western Blotting

Image 2. GLIS1 antibody (mAb) tested by Western Blot. 20 μ g of mouse embryonic stem cell (ES cells) nuclear extract was probed with GLIS1 antibody at 2 μ g/mL. The MW of GLIS1 is approximately 95 kDa.