

Rat anti-Human, Mouse GLIS1 Monoclonal Antibody | anti-GLIS1 antibody

GLIS1 antibody (mAb)(Clone 7-14)

CATALOG # AAA60090	HOST Rat	REACTIVITY Human, Mouse	APPLICATIONS Western Blot, Immunofluorescence
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PRODUCT SYNONYMS

GLIS1; Monoclonal Antibody; GLIS1 antibody (mAb)(Clone 7-14); GLIS Family Zinc Finger 1; anti-GLIS1 antibody

PRODUCT SPECIFICATIONS

Host	Rat
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG1, k
Clone Number	2021-07-14
Purity/Purification	Protein G Chromatography
Form/Format	Purified IgG in PBS with 30% glycerol and 0.035% sodium azide. Sodium azide is highly toxic.
Concentration	1ug/ul (varies by lot)
Applicable Applications for anti-GLIS1 antibody	WB (Western Blot), IF (Immunofluorescence)
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.
Preparation and Storage	Some products may be shipped at room temperature. This will not affect their stability or performance. Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20 degree C for up to 2 years. Keep all reagents on ice when not in storage.1ug/ul

IMAGES



IF (Immunofluorescence)

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



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-GLIS1 antibody	Short Description: Our 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. Background: 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 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).
Product Categories/Family for anti-GLIS1 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	166706915
NCBI GeneID	148979
NCBI Accession #	NP_671726; AB_2793772
NCBI GenBank Nucleotide #	NM_147193
UniProt Accession #	Q8NBF1; Q2M3G9; Q8N9V9
Molecular Weight	65,976 Da
NCBI Official Full Name	zinc finger protein GLIS1
NCBI Official Synonym Full Names	GLIS family zinc finger 1
NCBI Official Symbol	GLIS1
NCBI Protein Information	zinc finger protein GLIS1; GLI-similar 1
UniProt Protein Name	Zinc finger protein GLIS1
UniProt Gene Name	GLIS1
UniProt Entry Name	GLIS1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.