

GLIS2 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16510c**Specification**

GLIS2 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	O9BZE0
Other Accession	NP_115964.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	55689
Antigen Region	173-202

GLIS2 Antibody (Center) - Additional Information**Gene ID** 84662**Other Names**

Zinc finger protein GLIS2, GLI-similar 2, Neuronal Krueppel-like protein, GLIS2, NKL

Target/Specificity

This GLIS2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 173-202 amino acids from the Central region of human GLIS2.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

GLIS2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

GLIS2 Antibody (Center) - Protein Information**Name** GLIS2**Synonyms** NKL

Function Can act either as a transcriptional repressor or as a transcriptional activator, depending on the cell context. Acts as a repressor of the Hedgehog signaling pathway (By similarity). Represses the Hedgehog-dependent expression of Wnt4 (By similarity). Necessary to maintain the differentiated epithelial phenotype in renal cells through the inhibition of SNAI1, which itself induces the epithelial-to- mesenchymal transition (By similarity). Represses transcriptional activation mediated by CTNNB1 in the Wnt signaling pathway. May act by recruiting the corepressors CTBP1 and HDAC3. May be involved in neuron differentiation (By similarity).

Cellular Location

Nucleus speckle. Cytoplasm

Tissue Location

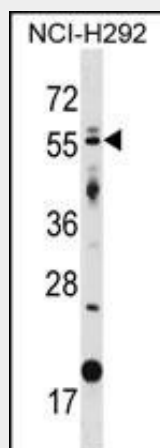
Expressed at high levels in kidney and at low levels in heart, lung and placenta. Expressed in colon

GLIS2 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GLIS2 Antibody (Center) - Images



GLIS2 Antibody (Center) (Cat. #AP16510c) western blot analysis in NCI-H292 cell line lysates (35ug/lane). This demonstrates the GLIS2 antibody detected the GLIS2 protein (arrow).

GLIS2 Antibody (Center) - Background

This gene is a member of the GLI-similar zinc finger protein family and encodes a nuclear transcription factor with five C2H2-type zinc finger domains. The protein encoded by this gene is widely expressed at low levels in the neural tube and peripheral nervous system and likely promotes neuronal differentiation. It is abundantly expressed in the kidney and may have a role in the

regulation of kidney morphogenesis. p120 regulates the expression level of this protein and induces the cleavage of this protein's C-terminal zinc finger domain. This protein also promotes the nuclear translocation of p120. Mutations in this gene cause nephronophthisis (NPHP), an autosomal recessive kidney disease characterized by tubular basement membrane disruption, interstitial lymphohistiocytic cell infiltration, and development of cysts at the corticomedullary border of the kidneys.

GLIS2 Antibody (Center) - References

Attanasio, M., et al. Nat. Genet. 39(8):1018-1024(2007)
Hosking, C.R., et al. Mol. Biol. Cell 18(5):1918-1927(2007)
Kim, Y.S., et al. FEBS Lett. 581(5):858-864(2007)
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