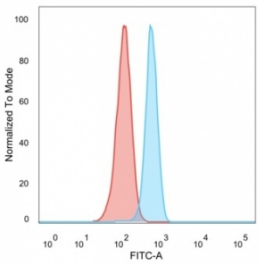
GLIS3 Antibody / Transcriptional Regulation Zinc Finger Protein Antibody [clone PCRP-GLIS3-1B11] (V9531)

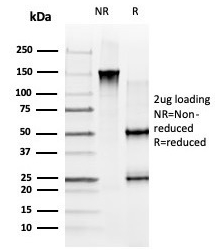
Catalog No.	Formulation	Size
V9531-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9531-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9531SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

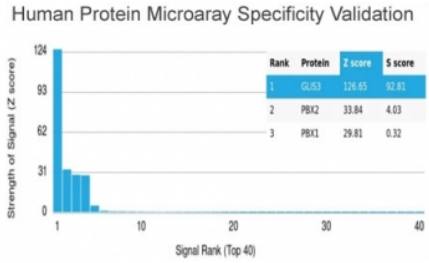
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	PCRP-GLIS3-1B11
Purity	Protein A/G affinity
UniProt	Q8NEA6
Localization	Nucleus
Applications	ELISA (order BSA-free Format For Coating) : Flow Cytometry : 1-2ug/million cells
Limitations	This GLIS3 Antibody / Transcriptional Regulation Zinc Finger Protein Antibody is available for research use only.



GLIS3 Antibody HeLa Cell FACS. Flow cytometry analysis of PFA-fixed human HeLa cells using GLIS3 Antibody (clone PCRP-GLIS3-1B11, blue) shows a clear rightward shift relative to the isotype control (red), indicating detection of GLIS3 / GLIS family zinc finger 3 expression. The intracellular signal is consistent with localization of this zinc finger transcription factor involved in transcriptional regulation and developmental signaling pathways.



SDS-PAGE analysis of purified, BSA-free GLIS3 antibody (clone PCRP-GLIS3-1B11) as confirmation of integrity and purity.



GLIS3 Antibody HuProt Microarray Specificity. Protein microarray analysis using GLIS3 Antibody (clone PCRP-GLIS3-1B11) demonstrates highly specific binding to GLIS3 / GLIS family zinc finger 3, with the target protein ranked as the top hit and showing a strong Z score with clear separation from all other proteins on the array. Signal intensity decreases sharply for non-target proteins, supporting selective recognition with minimal off-target interaction. Z score represents the strength of signal in standard deviations above the mean of all array signals, while S score reflects the separation between ranked targets and provides a measure of relative specificity.

Description

GLIS family zinc finger 3 (GLIS3), also referred to as ZNF515, is a transcription factor belonging to the GLIS subfamily of KrÃƒÂ¼ppel-like zinc finger proteins that regulate gene expression in a variety of developmental and metabolic contexts. The GLIS3 Antibody / Transcriptional Regulation Zinc Finger Protein Antibody is designed to detect this nuclear regulatory protein in systems where transcriptional control and signaling pathway modulation are of interest. GLIS3 is encoded on chromosome 9p24 and contains multiple C2H2-type zinc finger domains that enable sequence-specific DNA binding and transcriptional regulation. This antibody is part of a collection of Human Protein Microarray validated antibodies that have been screened for specificity across thousands of proteins.

The GLIS3 antibody, also referred to as GLIS family zinc finger 3 antibody and ZNF515 antibody in the literature, recognizes a protein that is predominantly localized in the nucleus, consistent with its role as a transcriptional regulator. GLIS3 functions as both a transcriptional activator and repressor, influencing the expression of genes involved in cellular differentiation, organ development, and metabolic homeostasis. It is particularly important in pancreatic beta cell development, kidney function, and thyroid hormone regulation, where precise transcriptional control is essential.

This GLIS3 Antibody / Transcriptional Regulation Zinc Finger Protein Antibody is uniquely positioned for studies of gene regulatory networks and developmental signaling pathways. GLIS3 participates in pathways that intersect with Hedgehog-related signaling and other transcriptional programs governing cell fate determination and tissue specification. In cellular imaging applications such as flow cytometry, detection of GLIS3 reflects its intracellular distribution within regulated cell populations, supporting analysis of transcription factor expression across different biological contexts.

Alterations in GLIS3 expression or function have been associated with a range of diseases, including diabetes, congenital hypothyroidism, and renal abnormalities, where disrupted transcriptional regulation affects tissue development and metabolic balance. In cancer biology, dysregulation of transcription factors such as GLIS3 can contribute to altered gene expression programs and disease progression. As a result, GLIS3 serves as a valuable marker for studying transcriptional control mechanisms in both normal physiology and pathological conditions.

The mouse monoclonal clone PCRP-GLIS3-1B11 provides reliable detection of GLIS3, supported by protein microarray specificity validation data demonstrating preferential binding to the intended target. This GLIS3 Antibody / Transcriptional Regulation Zinc Finger Protein Antibody is suitable for detecting GLIS3 expression in research applications focused on transcriptional regulation, developmental biology, and metabolic signaling pathways. Its performance supports detailed evaluation of GLIS3 localization and function across diverse experimental systems.

This antibody supports investigation of transcriptional regulation, developmental signaling, and disease-associated

changes in GLIS3 expression.

This antibody is part of a broader antibody panel offered by NSJ Bioreagents.

Application Notes

Optimal dilution of the GLIS3 Antibody / Transcriptional Regulation Zinc Finger Protein Antibody should be determined by the researcher.

Immunogen

Recombinant full-length human protein was used as the immunogen for the GLIS3 antibody.

Storage

Aliquot the GLIS3 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Alternate Names

GLIS3 antibody, GLIS family zinc finger 3 antibody, ZNF515 antibody, GLIS3 transcription factor antibody, GLIS3 zinc finger protein antibody