

GLIS3 Rabbit pAb

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Catalog # AP56188

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q8NEA6
Reactivity	Rat, Human, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	83636
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GLIS3
Epitope Specificity	351-450/775
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nuclear
DISEASE	Diabetes mellitus, neonatal, with congenital hypothyroidism (NDH) [MIM:610199]: A syndrome of neonatal diabetes syndrome associated with congenital hypothyroidism, congenital glaucoma, hepatic fibrosis and polycystic kidneys. Note=The disease is caused by mutations affecting the gene represented in this entry.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene is a member of the GLI-similar zinc finger protein family and encodes a nuclear protein with five C2H2-type zinc finger domains. This protein functions as both a repressor and activator of transcription and is specifically involved in the development of pancreatic beta cells, the thyroid, eye, liver and kidney. Mutations in this gene have been associated with neonatal diabetes and congenital hypothyroidism (NDH). Alternatively spliced variants that encode different protein isoforms have been described but the full-length nature of only two have been determined. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	169792
Other Names	Zinc finger protein GLIS3, GLI-similar 3, Zinc finger protein 515, GLIS3, ZNF515
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

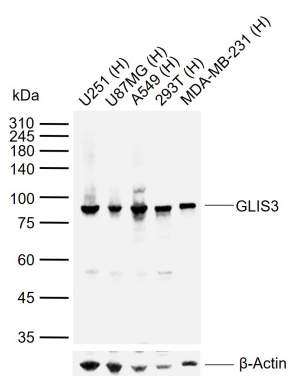
Protein Information

Name	GLIS3
Synonyms	ZNF515
Function	Acts both as a repressor and an activator of transcription. Binds to the consensus sequence 5'-GACCACCCAC-3' (By similarity).
Cellular Location	Nucleus.
Tissue Location	In the adult, expressed at high levels in the kidney and at lower levels in the brain, skeletal muscle, pancreas, liver, lung, thymus and ovary.

Background

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Images



Sample:

Lane 1: Human U251 cell lysates

Lane 2: Human U87MG cell lysates

Lane 3: Human A549 cell lysates

Lane 4: Human 293T cell lysates

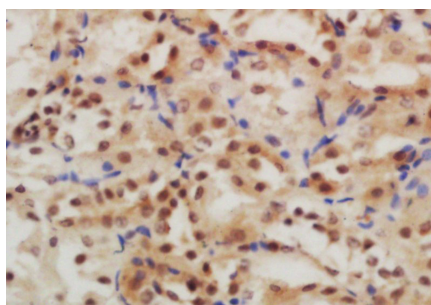
Lane 5: Human MDA-MB-231 cell lysates

Primary: Anti-GLIS3 (AP56188) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 84 kDa

Observed band size: 84 kDa



Tissue/cell: rat kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min;

Incubation: Anti-GLIS3 Polyclonal Antibody, Unconjugated (AP56188) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody (SP-0023) and DAB (C-0010) staining

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.