

GLIS3 Polyclonal antibody

Catalog Number: 12678-1-AP

2 Publications

Basic Information

Catalog Number:

12678-1-AP

Size:

400 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3366

GenBank Accession Number:

BC033899

GeneID (NCBI):

169792

UNIPROT ID:

Q8NEA6

Full Name:

GLIS family zinc finger 3

Calculated MW:

775 aa, 84 kDa

Observed MW:

70-85 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : mouse kidney tissue, A549 cells, BxPC-3 cells, HepG2 cells

Background Information

Zinc-finger proteins contain DNA-binding domains and have a wide variety of functions, most of which encompass some form of transcriptional activation or repression. GLIS3 (GLIS family zinc finger 3), also known as ZNF515 that localizes to the nucleus and contains five C2H2-type zinc fingers. Expressed in a variety of tissues, including kidney, brain, liver, lung, ovary, pancreas, thymus and skeletal muscle, GLIS3 functions as both an activator and a suppressor of transcription, specifically binding the consensus sequence 5'-GACCACCAC-3' through its C2H2-type zinc fingers. Defects in the gene encoding GLIS3 are a cause of NDH syndrome; a neonatal diabetes that is characterized by congenital hypothyroidism, congenital glaucoma, hepatic fibrosis and polycystic kidneys. There are various isoform of GLIS3 and molecular weight of one isoform is 70 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Meng Zhu	38578828	Cell Rep	WB
Hyun Jun Jung	37720991	Physiol Genomics	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

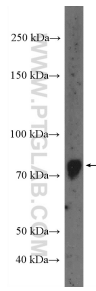
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Selected Validation Data



mouse kidney tissue were subjected to SDS PAGE followed by western blot with 12678-1-AP (GLIS3 Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.