

For Research Use Only

GLIS3 Polyclonal antibody

Catalog Number: 12678-1-AP **1 Publications**



Basic Information

Catalog Number: 12678-1-AP	GenBank Accession Number: BC033899	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop and 287 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 169792	Recommended Dilutions: WB 1:200-1:1000
Source: Rabbit	Full Name: GLIS family zinc finger 3	
Isotype: IgG	Calculated MW: 775 aa, 84 kDa	
Immunogen Catalog Number: AG3366	Observed MW: 70-85 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse kidney tissue, A549 cells, BxPC-3 cells, HepG2 cells
Cited Applications: WB	
Species Specificity: human, mouse, rat	
Cited Species: mouse	

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 (gLI5 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
Hyun Jun Jung	37720991	Physiol Genomics	WB

Storage

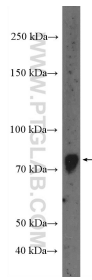
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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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.