

For Research Use Only

GLI2-Specific Polyclonal antibody

Catalog Number: 18989-1-AP

Featured Product

46 Publications



Basic Information

Catalog Number: 18989-1-AP	GenBank Accession Number: NM_001081125	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 450 µg/ml by Nanodrop and 280 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 14633	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500 IF 1:50-1:500
Source: Rabbit	Full Name: GLI-Kruppel family member GLI2	
Isotype: IgG	Calculated MW: 168 kDa Observed MW: 167 kDa 88 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls:
Cited Applications: IF, IHC, WB	WB: mouse brain tissue, HEK-293 cells, human testis tissue
Species Specificity: human, mouse, rat	IHC: human kidney tissue,
Cited Species: human, Chamaeleo calyptratus, rat, mouse	IF: HepG2 cells, MCF-7 cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

GLI2, also named as THP, belongs to the GLI C2H2-type zinc-finger protein family. GLI2 play a role during embryogenesis. It binds to the DNA sequence 5'-GAACCACCA-3' which is part of the TRE-2S regulatory element that augments the Tax-dependent enhancer of human T-cell leukemia virus type 1. It is implicated in the transduction of SHH signal. Mutation of GLI2 will cause of holoprosencephaly type 9 (HPE9). Four possible isoforms (hGli2a, b, g, and d) are formed by combinations of two independent alternative splicings, and all the isoforms could bind to a DNA motif, TRE2S. hGli2 a, b, g, and d. These isoforms encode 133-, 131-, 88-, and 86-kDa proteins, respectively.

Notable Publications

Author	Pubmed ID	Journal	Application
Pai Pang	26427874	Biochem Biophys Res Commun	IHC, IF
Ivona Mateska	33090184	J Cell Biol	WB
Dengdian Wang	28870814	Biochem Biophys Res Commun	WB

Storage

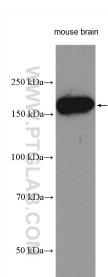
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

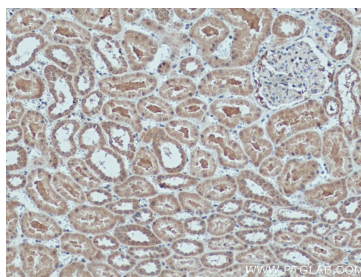
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

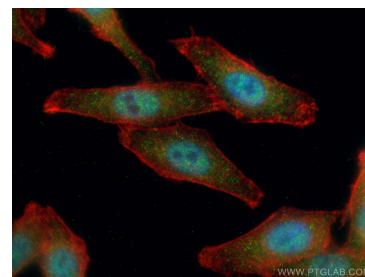
Selected Validation Data



Mouse brain tissue were subjected to SDS PAGE followed by western blot with 18989-1-AP (GLI2-Specific antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 18989-1-AP (GLI2-Specific antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 18989-1-AP (GLI2-Specific antibody), at dilution of 1:200 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).