

For Research Use Only

# GLI3-Specific Polyclonal antibody

Catalog Number: 19949-1-AP **12 Publications**



## Basic Information

**Catalog Number:**

19949-1-AP

**Size:**

240 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_000168

**GeneID (NCBI):**

2737

**UNIPROT ID:**

P10071

**Full Name:**

GLI family zinc finger 3

**Calculated MW:**

170 kDa

**Observed MW:**

190 kDa, 83-86 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:200-1:1000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

IF 1:10-1:100

## Applications

**Tested Applications:**

FC, IF/ICC, IHC, IP, WB, ELISA

**Cited Applications:**

WB

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

WB : human placenta tissue, mouse lung tissue

IP : mouse lung tissue,

IHC : human testis tissue, human colon tissue

IF : HepG2 cells,

## Background Information

GLI3 belongs to the GLI C2H2-type zinc-finger protein family. GLI3 plays a role in limb and brain development. GLI3 is implicated in the transduction of SHH signal. Defects in GLI3 are the cause of Greig cephalo-poly-syndactyly syndrome (GCPS). Defects in GLI3 are a cause of Pallister-Hall syndrome (PHS). Defects in GLI3 are a cause of type A1/B postaxial polydactyly (PAPA1/PAPB). Defects in GLI3 are a cause of type IV preaxial polydactyly. Defects in GLI3 are the cause of acrocallosal syndrome (ACS). The antibody is specific to GLI3. At the molecular level, Gli3 is translated into a 190-kDa transcriptional activator (Gli3-190) that undergoes proteolytic processing into a truncated 83-kDa repressor (Gli3-83) lacking C-terminal activation domains. (PMID: 16705181)

## Notable Publications

Author	Pubmed ID	Journal	Application
Diana Trnski	26385428	Biochim Biophys Acta	WB
Yuqin Men	26549569	Sci Rep	WB
Petar Ozretić	29039491	Int J Oncol	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

For technical support and original validation data for this product please contact:

T: 4006900926

E: Proteintech-CN@ptglab.com

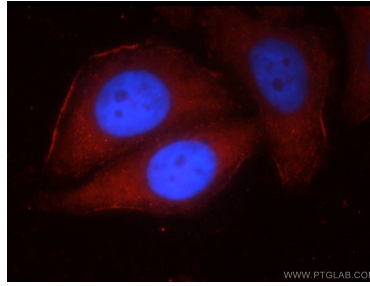
W: ptgcn.com

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

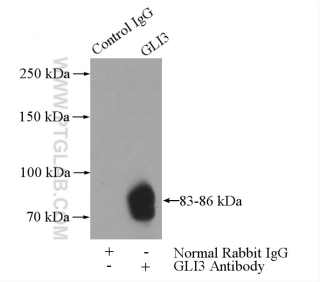
## Selected Validation Data



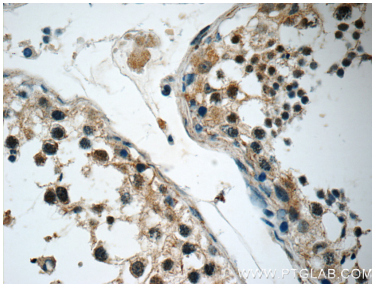
human placenta tissue were subjected to SDS PAGE followed by western blot with 19949-1-AP (GLI3-Specific antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



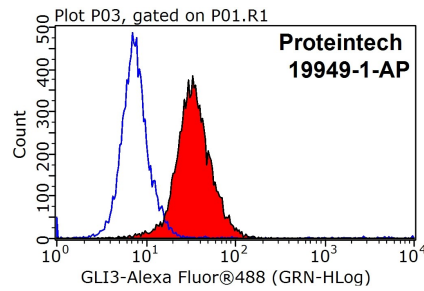
Immunofluorescent analysis of HepG2 cells using 19949-1-AP (GLI3-Specific antibody) at dilution of 1:25 and Rhodamine-Goat anti-Rabbit IgG.



IP result of anti-GLI3-Specific (IP:19949-1-AP, 4ug; Detection:19949-1-AP 1:300) with mouse lung tissue lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 19949-1-AP (GLI3-Specific Antibody) at dilution of 1:50.



1X10<sup>6</sup> HepG2 cells were stained with 0.2ug GLI3-Specific antibody (19949-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.