

# GLI3-Specific Polyclonal antibody

Catalog Number: 19949-1-AP

12 Publications

## Basic Information

### Catalog Number:

19949-1-AP

### Size:

150ul , Concentration: 240 µg/ml by Bradford method using BSA as the standard;

### 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 ug for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

IF/ICC 1:10-1:100

## Applications

### Tested Applications:

WB, IP, IF, IHC, 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/ICC : 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
Yueqin 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

\*\*\* 20ul sizes contain 0.1% BSA

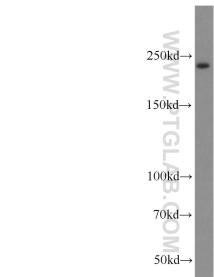
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

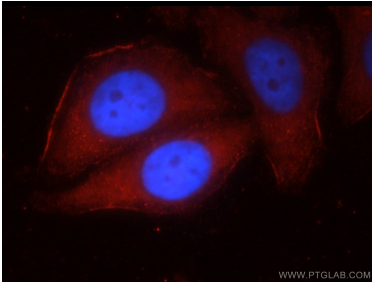
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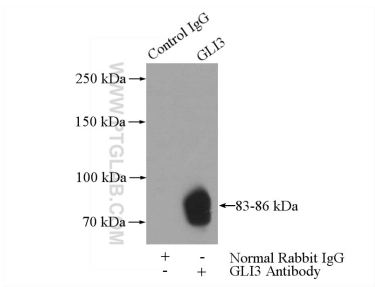
Selected Validation Data



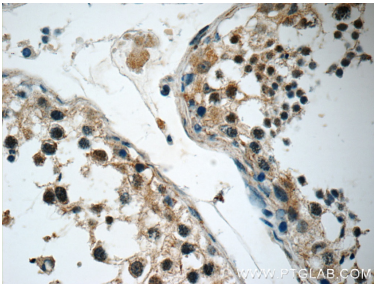
human placenta tissue were subjected to SDS PAGE followed by western blot with 19949-1-AP (GLI3-Specific antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



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.