

For Research Use Only

GLI3 Polyclonal antibody

Catalog Number: 28272-1-AP

2 Publications



Basic Information

Catalog Number:

28272-1-AP

Size:

1000 μ g/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG28472

GenBank Accession Number:

NM_000168

GeneID (NCBI):

2737

UNIPROT ID:

P10071

Full Name:

GLI family zinc finger 3

Calculated MW:

170 aa

Observed MW:

170-190 kDa, 80-90 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:1000-1:4000

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human, rat

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 : HepG2 cells, SKOV-3 cells

IHC : mouse testis tissue, human colon cancer tissue, human prostate cancer tissue, rat testis tissue

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
Quan Hong	34288810	Bioengineered	WB
Xiangjun Yi	39312343	Medicine (Baltimore)	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:

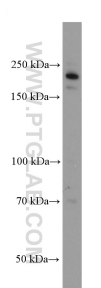
T: 4006900926

E: Proteintech-CN@ptglab.com

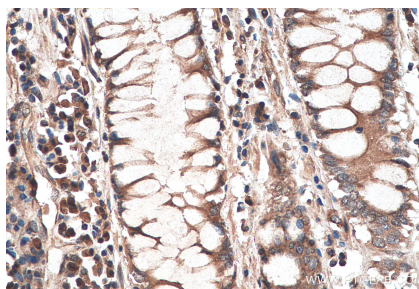
W: ptgcn.com

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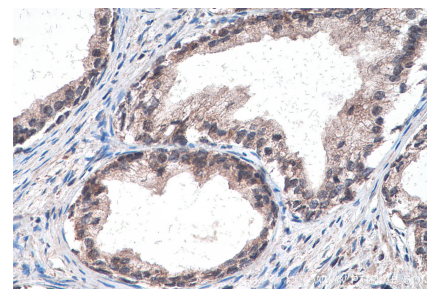
Selected Validation Data



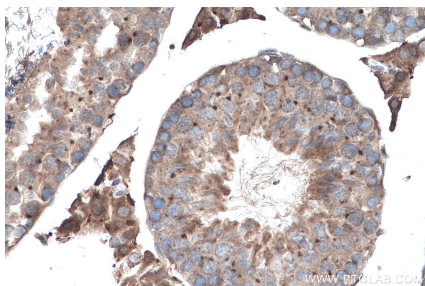
HepG2 cells were subjected to SDS PAGE followed by western blot with 28272-1-AP (GLI3 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



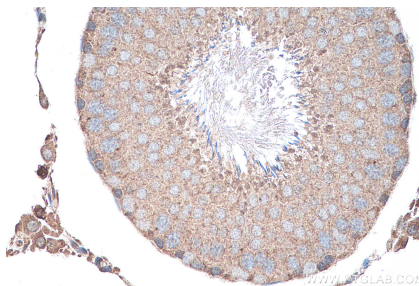
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 28272-1-AP (GLI3 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 28272-1-AP (GLI3 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 28272-1-AP (GLI3 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat testis tissue slide using 28272-1-AP (GLI3 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).