

Gli1 (JF09-08)

rev. 02/06/17
Cat#: ET1702-85

Product Type: Recombinant rabbit monoclonal IgG, primary antibodies

Species reactivity: Human, Mouse, Rat

Applications: WB, ICC, IHC

Molecular Wt.: 150 kDa

Clone number: JF09-08

Description: 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. The majority of zinc-finger proteins contain a Krüppel-type DNA binding domain and a KRAB domain, which is thought to interact with KAP1, thereby recruiting histone modifying proteins. GLI-1 (GLI family zinc finger 1), also known as Glioma-associated oncogene or oncogene GLI, is a 1,106 amino acid protein that localizes to both the cytoplasm and nucleus, and belongs to the GLI C2H2-type zinc-finger protein family. GLI-1 acts as a transcriptional activator and is thought to play a role in craniofacial development. GLI-1 exists as two alternatively spliced isoforms and is encoded by a gene that maps to human chromosome 12q13.3.

Immunogen:

Recombinant protein.

Positive control:

HepG2, SH-SY-5Y, 293T, rat testis tissue, mouse fallopian tube tissue.

Subcellular location:

Cytoplasm, Nucleus.

Database links:

SwissProt: P08151 (Human)

Recommended Dilutions:

WB: 1:500-1:1,000 **IHC:** 1:50-1:200

ICC: 1:50-1:200

Storage Buffer:

1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction:

Store at +4° C after thawing. Aliquot store at -20° C or -80° C. Avoid repeated freeze / thaw cycles.

Purity: ProA affinity purified.

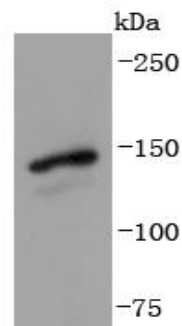


Fig1: Western blot analysis of Gli1 on SH-SY-5Y cells lysates using anti-Gli1 antibody at 1/1,000 dilution.

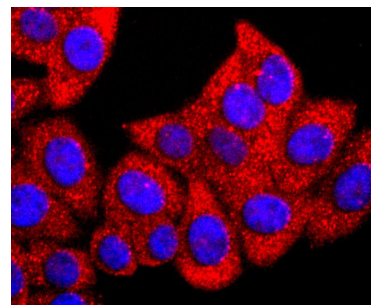


Fig2: ICC staining Gli1 in HepG2 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

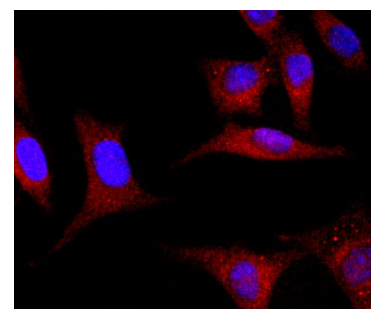


Fig3: ICC staining Gli1 in SH-SY-5Y cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Hangzhou HuaAn Biotechnology Co.,Ltd.

Orders: 0086-571-88062880

Support: 0086-571-89986345

Service mail: tech@huabio.com

www.huabio.com



Applications: WB=Western blot IP=Immunoprecipitation IHC=Immunohistochemistry IF=Immunofluorescence FC=Flow cytometry
Species Cross-Reactivity: H=human M=mouse R=rat Hm=hamster Mk=monkey Mi=mink C=chicken Dm=D.melanogaster X=Xenopus Z=zebrafish
B=bovine Dg=dog Pg=pig Sc=S.

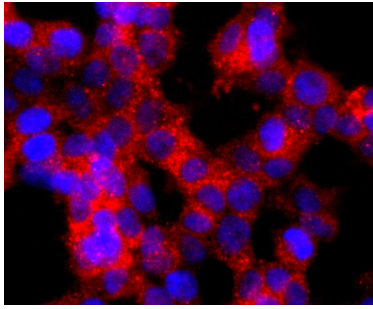


Fig4: ICC staining Gli1 in 293T cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

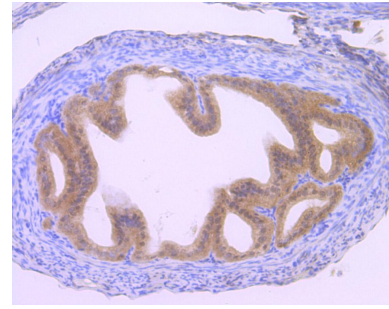


Fig6: Immunohistochemical analysis of paraffin-embedded mouse fallopian tube tissue using anti-Gli1 antibody. Counter stained with hematoxylin.

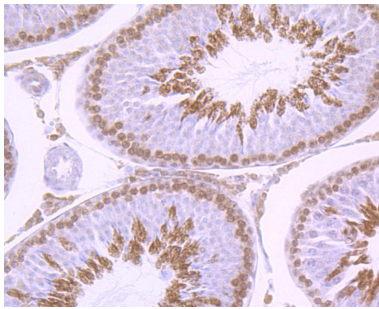


Fig5: Immunohistochemical analysis of paraffin-embedded rat testis tissue using anti-Gli1 antibody. Counter stained with hematoxylin.

Background References

1. Li P et al. Nestin Mediates Hedgehog Pathway Tumorigenesis. *Cancer Res* 76:5573-83 (2016).
2. Smirnova NF et al. Detection and quantification of epithelial progenitor cell populations in human healthy and IPF lungs. *Respir Res* 17:83 (2016).

Hangzhou HuaAn Biotechnology Co.,Ltd.

Orders: 0086-571-88062880

Support: 0086-571-89986345

Service mail: tech@huabio.com

www.huabio.com



华安生物

Applications: WB=Western blot IP=Immunoprecipitation IHC=Immunohistochemistry IF=Immunofluorescence FC=Flow cytometry
Species Cross-Reactivity: H=human M=mouse R=rat Hm=hamster Mk=monkey Mi=mink C=chicken Dm=D.melanogaster X=Xenopus Z=zebrafish
B=bovine Dg=dog Pg=pig Sc=S.