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Rabbit Anti-GLI1 antibody

SL1206R

Product Name:	GLI1
Chinese Name:	脑胶质瘤相关蛋白抗体(Zinc finger protein5)
Alias:	Gli 1; Gli1; Gli-1; GLI; GLI Kruppel family member 1; Glioma associated oncogene; Glioma associated oncogene homolog 1 (zinc finger protein); Oncogene GLI; Zfp 5; Zfp5; Zinc finger protein GLI 1; Zinc finger protein GLI1; GLI1_HUMAN.
文献引用 PubMed :	**Specific References(6)**|SL1206R has been referenced in 6 publications. **[IF=4.46]**Du, Wen-Zhong, et al. "Curcumin Suppresses Malignant Glioma Cells Growth and Induces Apoptosis by Inhibition of SHH/GLI1 Signaling Pathway in Vitro and Vivo." CNS Neuroscience & Therapeutics (2013).**Human**. PubMed:24165291 **[IF=3.73]**Zhang, Qiang, et al. "Serotonin Receptor 2C and Insulin Secretion." PloS one 8.1 (2013): e54250.**WB;Mouse**. PubMed:23349838 **[IF=2.40]**Yue, Yongjian, et al. "Aberrant activation of Hedgehog pathway in Nasopharyngeal carcinoma." Clinical and Experimental Medicine (2012): 1-8.**IHC-P;Human**. PubMed:23001130 **[IF=2.15]**Fan, Hai-Xia, et al. "Sonic hedgehog signaling may promote invasion and metastasis of oral squamous cell carcinoma by activating MMP-9 and E-cadherin expression." Medical Oncology 31.7 (2014): 1-8.**IHC-P;Human**. PubMed:24915900 **[IF=2.30]**Ma, Zhenkun, et al. "Silibinin induces apoptosis through inhibition of the

	mTOR-GLI1-BCL2 pathway in renal cell carcinoma." Oncology Reports.**other;** PubMed:26323996 **[IF=2.88]**Long, B., et al. "Targeting GLI1 Suppresses Cell Growth and Enhances Chemosensitivity in CD34+ Enriched Acute Myeloid Leukemia Progenitor Cells." Cellular Physiology and Biochemistry 38.4 (2016): 1288-1302.**Human**. PubMed:27008269
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=1ug/TestICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	118kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human GLI1/Zfp5:601-700/1106
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene encodes a member of the Kruppel family of zinc finger proteins. The encoded transcription factor is activated by the sonic hedgehog signal transduction cascade and regulates stem cell proliferation. The activity and nuclear localization of this protein is negatively regulated by p53 in an inhibitory loop. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2009] **Function:** Acts as a transcriptional activator. May regulate the transcription of specific genes during normal development. May play a role in craniofacial development and digital development, as well as development of the central nervous system and gastrointestinal tract. Mediates SHH signaling and thus cell proliferation and differentiation. **Subcellular Location:** Cytoplasm. Nucleus. Tethered in the cytoplasm by binding to SUFU. Activation and translocation to the nucleus is promoted by interaction with STK36. Phosphorylation by ULK3 may promote nuclear localization. Translocation to the nucleus is promoted by interaction with ZIC1.

Tissue Specificity:
Testis, myometrium and fallopian tube. Also expressed in the brain with highest expression in the cerebellum, optic nerve and olfactory tract.

SWISS:
P08151

Gene ID:
2735

Database links:

Entrez Gene: 2735 Human

Entrez Gene: 14632 Mouse

Entrez Gene: 140589 Rat

Entrez Gene: 517588 Cow

Omim: 165220 Human

SwissProt: P08151 Human

SwissProt: P47806 Mouse

Unigene: 632702 Human

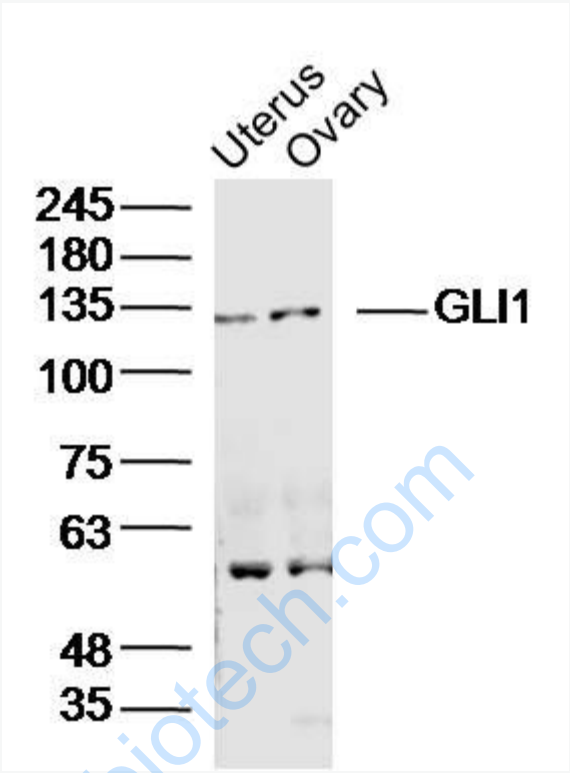
Unigene: 391450 Mouse

Unigene: 219157 Rat

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

GLI1是一种具有很强活性的转录激活因子，GLI1诱导G1/S细胞周期调节蛋白的表达从而促进细胞的增殖；直接诱导抗凋亡因子Bcl-2的表达以抑制凋亡；
直接激活促进上皮组织向间质转化因子的转录从而加重了Tumour的侵袭性。目前主要用于Tumour及神经方面的研究。

Picture:



Sample:

Uterus(Mouse)Lysate at 40 ug

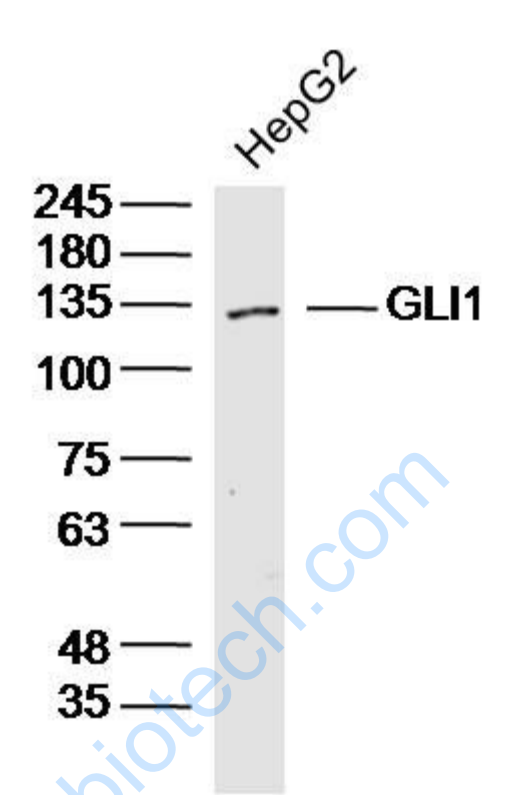
Ovary (Mouse)Lysate at 40 ug

Primary: Anti-GLI1(SL1206R)at 1/300 dilution

Secondary: IRDye800CW Goat Anti-RabbitIgG at 1/20000 dilution

Predicted band size: 118kD

Observed band size: 130kD



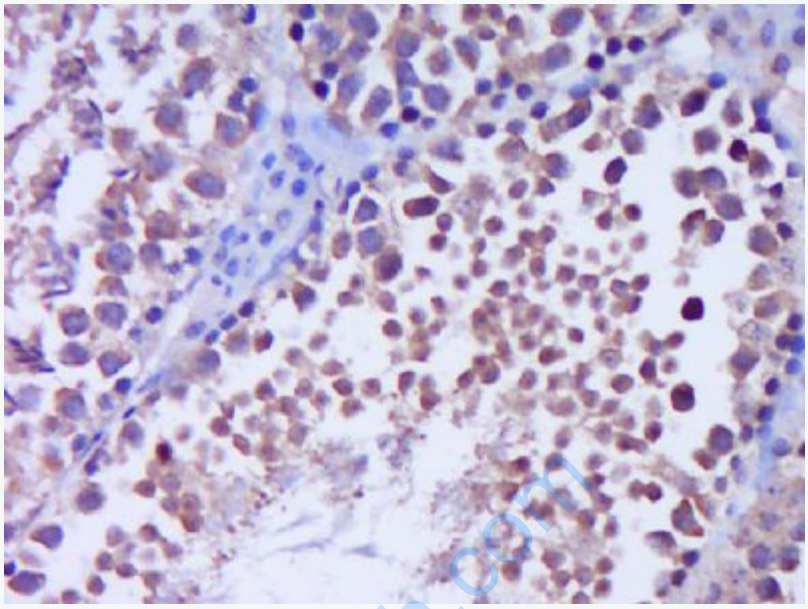
Sample:HepG2 (Human)Cell Lysate at 40 ug

Primary: Anti-GLI1(SL1206R)at 1/300 dilution

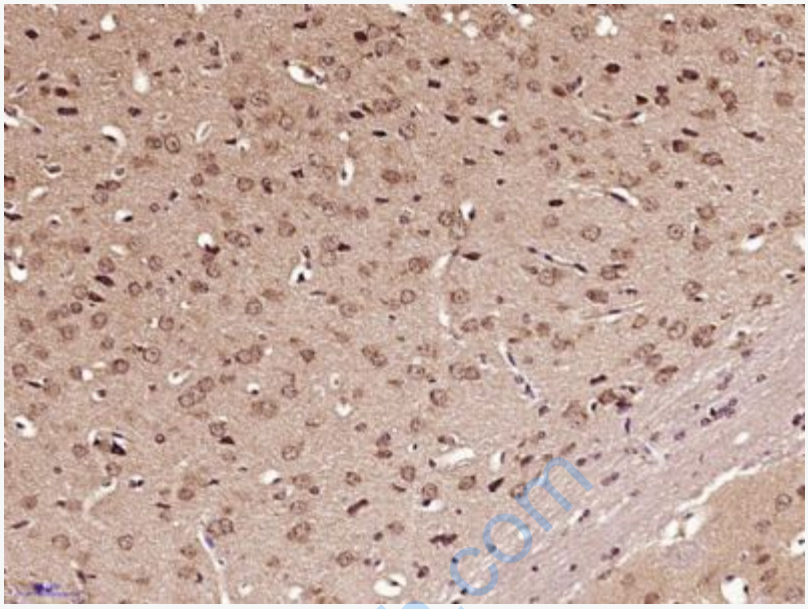
Secondary: IRDye800CW Goat Anti-RabbitIgG at 1/20000 dilution

Predicted band size: 118kD

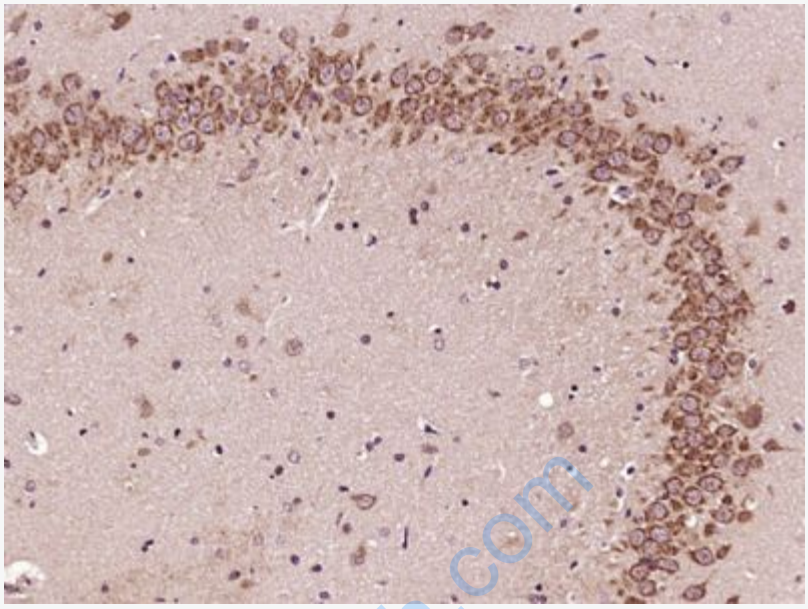
Observed band size: 130kD



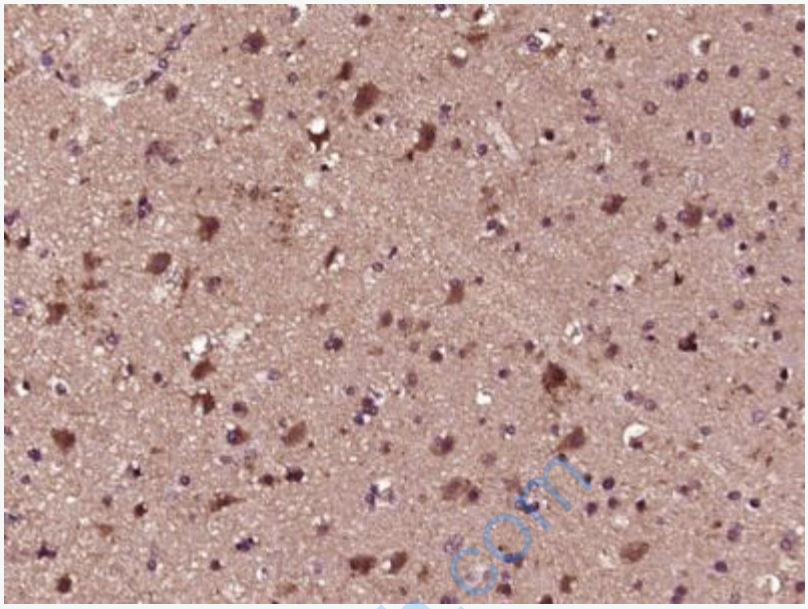
Paraformaldehyde-fixed, paraffin embedded (Rat testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GLI1) Polyclonal Antibody, Unconjugated (SL1206R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



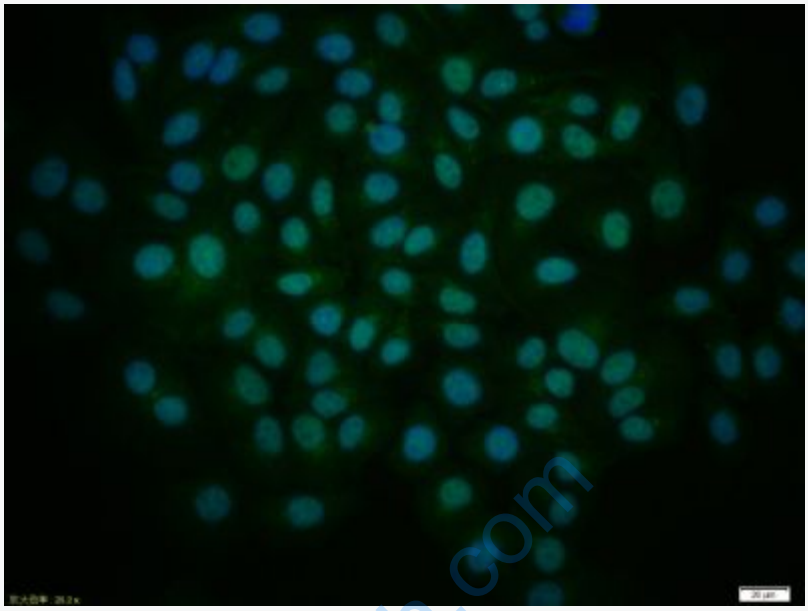
Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GLI1) Polyclonal Antibody, Unconjugated (SL1206R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



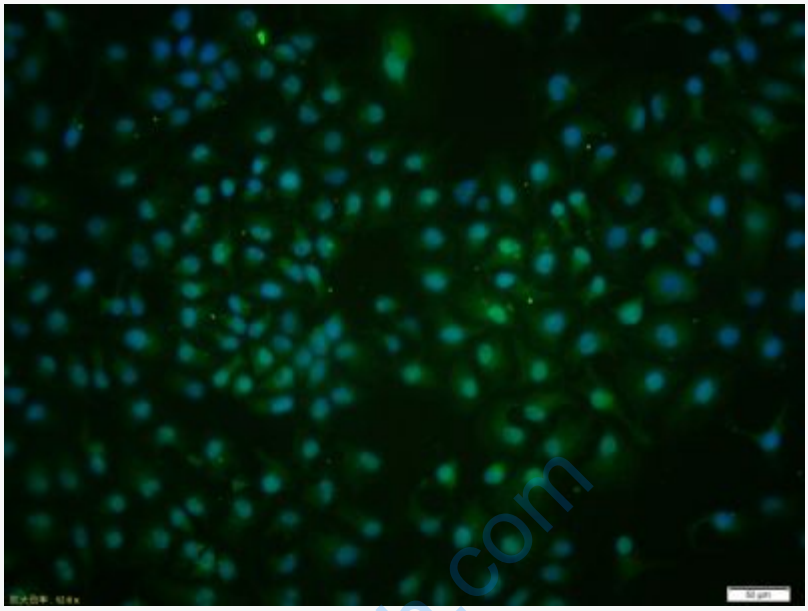
Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GLI1) Polyclonal Antibody, Unconjugated (SL1206R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



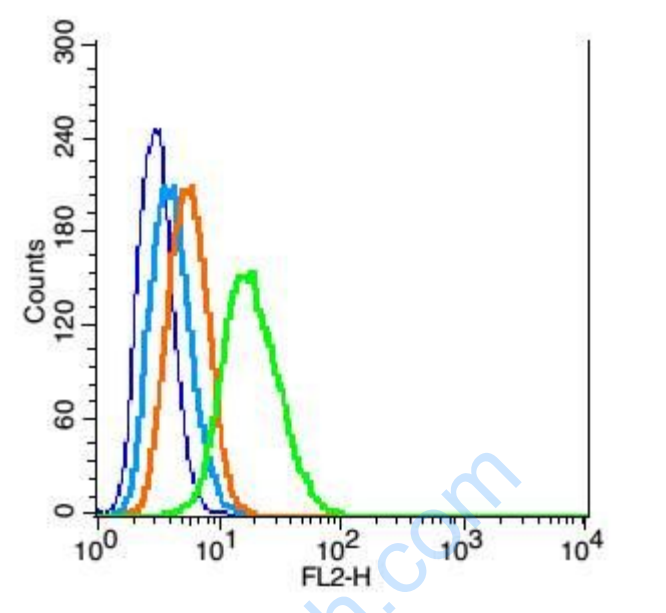
Paraformaldehyde-fixed, paraffin embedded (Human brain glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GLI1) Polyclonal Antibody, Unconjugated (SL1206R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Tissue/cell: HepG2 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (GLI1) Polyclonal Antibody, Unconjugated (SL1206R) 1:50, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody (SL1206R) at 37°C for 90 minutes, DAPI (5ug/ml, blue, C-0033) was used to stain the cell nuclei.



Tissue/cell: HeLa cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (GLI1) Polyclonal Antibody, Unconjugated (SL1206R) 1:50, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody (SL1206R) at 37°C for 90 minutes, DAPI (5ug/ml, blue, C-0033) was used to stain the cell nuclei.



Blank control: RSC96(blue), the cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with ice-cold 90% methanol for 30 min on ice.

Isotype Control Antibody: Rabbit IgG(orange) ;

Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA .

Primary Antibody Dilution: 1μg in 100 μL1X PBS containing 0.5% BSA(green).