



Catalog Number GTX27523 **Package:** 50 µl

[Reference](#) (5)

Product Name Gli1 antibody

Full Name GLI-Kruppel family member GLI1

Synonyms ZFP5 Antibody , AV235269 Antibody

Product Description Rabbit Polyclonal antibody to Gli1

Specificity No reaction occurs with human or mouse Gli-2 or Gli-3.

Background Gli was termed by Kinzler et al. (1987) as 'glioma-associated oncogene' amplified in malignant gliomas. Analysis of the cloned gene demonstrates that the gene contains 5 repeats of zinc-finger sequences, which places gli in the family of Kruppel (Kr) zinc finger proteins. Northern analysis reveals that GLI is expressed in embryonal carcinoma cells but not in most adult tissue. GLI has been localized to 12q13-q14.3 by Southern blot analysis. On mouse the gene is located on chromosome 10. In mice, 3 zinc finger transcription factors, Gli1, Gli2 and Gli3, have been implicated in the transduction of Sonic hedgehog (Shh) signal. In papillary epithelium, shh, gli1 and ptc all follow similar expression patterns. Gli1 expression is central and probably sufficient for tumor development in humans.

Host Rabbit

Clonality Polyclonal

Target Gli1

Immunogen The whole rabbit serum was prepared by repeated immunizations with a synthetic peptide corresponding to amino acids 805-820 of mouse Gli-1. The peptide was synthesized as a multiple antigen peptide (MAP).

Antigen Species Mouse

Species Reactivity Human, Mouse

Applications ELISA, ICC/IF, IHC, IHC-P, WB

Application Note

	Suggested dilution	Reference
ELISA	1:20000 - 1:100000*	
ICC/IF	Assay-dependent dilution	
Immunohistochemistry	1:500 - 1:2000*	
IHC (Formalin-fixed paraffin-embedded sections)	Assay-dependent dilution	
Western blot	1:2000 - 1:10000*	

Not tested in other applications.

*Optimal dilutions/concentrations should be determined by the researcher.

Observed Size 120 kDa kDa.

Conjugation Unconjugated

Form Supplied Liquid

Purification Antiserum

Purification Note This whole rabbit antiserum was prepared by delipidation and defibrination followed by the addition of buffer salts and preservative.

Concentration 75 mg/ml (Please refer to the vial label for the specific concentration)

Storage Buffer 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 and 0.01% (w/v) Sodium Azide

Storage Instruction Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing.

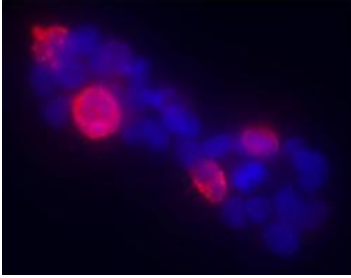
Notes For *In vitro* laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human

consumption.

ResearchArea [Stem Cell Development](#) > [Development](#) > [Morphogenesis](#)

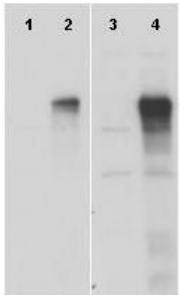
Application Reference

1. Saratsis AM (2013) *Acta Neuropathol*
2. Singh RR (2009) *Cancer Res* 2550-8
3. Stecca B (2009) *EMBO J* 663-76
4. Horn A (2012) *Ann Rheum Dis* 785-9
5. Colmont CS (2013) *Proc Natl Acad Sci U S A* 1434-9



GTX27523 ICC/IF Image

ICC/IF using anti-Gli-1 antibody shows detection of mouse Gli-1 present in transfected HEK293T cells (red). Anti-Gli-1 antiserum (rabbit) was added 1:400, followed by a fluorescent labeled anti-rabbit IgG secondary.



GTX27523 WB Image

Western blot using GeneTex anti-Gli-1 antibody (GTX27523) shows detection of a band at ~150 kDa (arrowhead) corresponding to human Gli-1 present in transfected 293T cell lysates (lanes 2 and 4). Mock 293T cell lysates with vector only show no staining (lanes 1 and 3). Lysates were separated by SDS-PAGE and transferred to nitrocellulose. After blocking the membrane was probed with the primary antibody diluted to 1:8,000 (lanes 1 and 2) or 1:4,000 (lanes 3 and 4).