

**GLI1 antibody - C-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI10350****Specification****GLI1 antibody - C-terminal region - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">P08151</a>
Other Accession	<a href="#">NM_005269</a> , <a href="#">NP_005260</a>
Reactivity	<b>Human, Mouse, Rat, Pig, Horse, Bovine, Dog</b>
Predicted	<b>Human, Mouse, Rat, Bovine, Guinea Pig, Dog</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>118kDa KDa</b>

**GLI1 antibody - C-terminal region - Additional Information****Gene ID** 2735

<b>Alias Symbol</b>	<b>GLI</b>
<b>Other Names</b>	Zinc finger protein GLI1, Glioma-associated oncogene, Oncogene GLI, GLI1, GLI

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 100 ul of distilled water. Final anti-GLI1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

GLI1 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**GLI1 antibody - C-terminal region - Protein Information****Name** GLI1**Synonyms** GLI**Function**Acts as a transcriptional activator (PubMed: [10806483](http://www.uniprot.org/citations/10806483) target="\_blank">10806483</a>, PubMed: [19706761](http://www.uniprot.org/citations/19706761) target="\_blank">19706761</a>, PubMed: [19878745](http://www.uniprot.org/citations/19878745) target="\_blank">19878745</a>, PubMed: [24076122](http://www.uniprot.org/citations/24076122) target="\_blank">24076122</a>, PubMed: [24217340](http://www.uniprot.org/citations/24217340) target="\_blank">24217340</a>)

target="\_blank">24217340</a>, PubMed:<a href="http://www.uniprot.org/citations/24311597" target="\_blank">24311597</a>). Binds to the DNA consensus sequence 5'-GACCACCCA-3' (PubMed:<a href="http://www.uniprot.org/citations/2105456" target="\_blank">2105456</a>, PubMed:<a href="http://www.uniprot.org/citations/24217340" target="\_blank">24217340</a>, PubMed:<a href="http://www.uniprot.org/citations/8378770" target="\_blank">8378770</a>). Regulates the transcription of specific genes during normal development (PubMed:<a href="http://www.uniprot.org/citations/19706761" target="\_blank">19706761</a>). Plays a role in craniofacial development and digital development, as well as development of the central nervous system and gastrointestinal tract. Mediates SHH signaling (PubMed:<a href="http://www.uniprot.org/citations/19706761" target="\_blank">19706761</a>, PubMed:<a href="http://www.uniprot.org/citations/28973407" target="\_blank">28973407</a>). Plays a role in cell proliferation and differentiation via its role in SHH signaling (PubMed:<a href="http://www.uniprot.org/citations/11238441" target="\_blank">11238441</a>, PubMed:<a href="http://www.uniprot.org/citations/28973407" target="\_blank">28973407</a>).

### Cellular Location

Cytoplasm. Nucleus. Note=Tethered in the cytoplasm by binding to SUFU (PubMed:10806483). Activation and translocation to the nucleus is promoted by interaction with STK36 (PubMed:10806483). Phosphorylation by ULK3 may promote nuclear localization (PubMed:19878745). Translocation to the nucleus is promoted by interaction with ZIC1 (PubMed:11238441)

### Tissue Location

Detected in testis (at protein level) (PubMed:2105456). Testis, myometrium and fallopian tube. Also expressed in the brain with highest expression in the cerebellum, optic nerve and olfactory tract (PubMed:19878745). Isoform 1 is detected in brain, spleen, pancreas, liver, kidney and placenta; isoform 2 is not detectable in these tissues (PubMed:19706761)

### GLI1 antibody - C-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)