

# Gli1 Antibody

Rabbit mAb

Catalog # AP90770

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">P08151</a>
<b>Reactivity</b>	Human
<b>Clonality</b>	Monoclonal
<b>Other Names</b>	Zinc finger protein GLI1; Glioma-associated oncogene; Oncogene GLI; Zfp5; GLI family zinc finger 1;GLI;
<b>Isotype</b>	Rabbit IgG
<b>Host</b>	Rabbit
<b>Calculated MW</b>	117904

## Additional Information

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<b>Dilution</b>	WB 1:500~1:1000
<b>Purification</b>	Affinity-chromatography
<b>Immunogen</b>	A synthesized peptide derived from human Gli1
<b>Description</b>	GLI belongs to the Kruppel family of zinc finger proteins that includes three mammalian GLI proteins: GLI1, GLI2, and GLI3. 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.
<b>Storage Condition and Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

## Protein Information

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<b>Name</b>	GLI1
<b>Synonyms</b>	GLI
<b>Function</b>	Acts as a transcriptional activator (PubMed: <a href="#">10806483</a> , PubMed: <a href="#">19706761</a> , PubMed: <a href="#">19878745</a> , PubMed: <a href="#">24076122</a> , PubMed: <a href="#">24217340</a> , PubMed: <a href="#">24311597</a> ). Binds to the DNA consensus sequence 5'-GACCACCCA-3' (PubMed: <a href="#">2105456</a> , PubMed: <a href="#">24217340</a> , PubMed: <a href="#">8378770</a> ). Regulates the transcription of specific genes during normal development (PubMed: <a href="#">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="#">19706761</a> , PubMed: <a href="#">28973407</a> ). Plays a role in cell proliferation and differentiation via its

role in SHH signaling (PubMed:[11238441](#), PubMed:[28973407](#)).

### Cellular Location

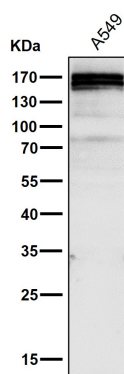
Cytoplasm. Nucleus. Note=Tethered in the cytoplasm by binding to SUFU (PubMed:10806483). Activation and translocation to the nucleus is promoted by interaction with STK36 (PubMed:10806483). Phosphorylation by ULK3 may promote nuclear localization (PubMed:19878745). Translocation to the nucleus is promoted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

## Images

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Western blot analysis of Gli1 expression in A549 cell lysate.

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