

# GLI1 Antibody (N-Term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP21920a

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P08151</a>
<b>Reactivity</b>	Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB54395
<b>Calculated MW</b>	117904

## Additional Information

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<b>Gene ID</b>	2735
<b>Other Names</b>	Zinc finger protein GLI1, Glioma-associated oncogene, Oncogene GLI, GLI1, GLI
<b>Target/Specificity</b>	This GLI1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 196-230 amino acids from human GLI1.
<b>Dilution</b>	WB~~1:2000 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	GLI1 Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

## 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:[2105456](#), PubMed:[24217340](#), PubMed:[8378770](#)). Regulates the transcription of specific genes during normal development (PubMed:[19706761](#)). 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:[19706761](#), PubMed:[28973407](#)). 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)

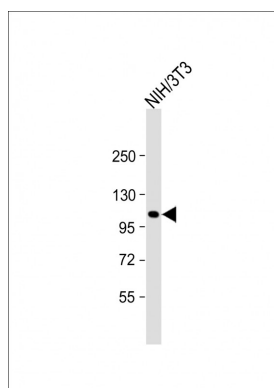
## Background

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.

## References

Kinzler K.W.,et al.Nature 332:371-374(1988).  
Yoon J.W.,et al.Submitted (OCT-2000) to the EMBL/GenBank/DDBJ databases.  
Lo H.W.,et al.Cancer Res. 69:6790-6798(2009).  
Scherer S.E.,et al.Nature 440:346-351(2006).  
Murone M.,et al.Nat. Cell Biol. 2:310-312(2000).

## Images



Anti-GLI1 Antibody (N-Term) at 1:2000 dilution + NIH/3T3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 118 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.