

**GLI1 Antibody (N-Term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP21920a****Specification**

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**GLI1 Antibody (N-Term) - Product Information**

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

**GLI1 Antibody (N-Term) - Additional Information****Gene ID** 2735**Other Names**

Zinc finger protein GLI1, Glioma-associated oncogene, Oncogene GLI, GLI1, GLI

**Target/Specificity**

This GLI1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 196-230 amino acids from human GLI1.

**Dilution**

WB~~1:2000

E~~Use at an assay dependent concentration.

**Format**

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.

**Storage**

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.

**Precautions**

GLI1 Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

**GLI1 Antibody (N-Term) - Protein Information****Name** GLI1**Synonyms** GLI**Function** Acts as a transcriptional activator (PubMed:[10806483](#), PubMed:[19706761](#),

PubMed:[19878745](#), PubMed:[24076122](#), PubMed:[24217340](#), PubMed:[24311597](#)). Binds to the DNA consensus sequence 5'-GACCACCA-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

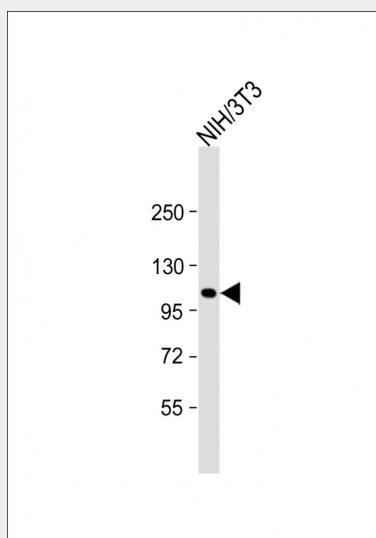
Detected in testis (at protein level) (PubMed:2105456). Testis, myometrium and fallopian tube. Also expressed in the brain with highest expression in the cerebellum, optic nerve and olfactory tract (PubMed:19878745). Isoform 1 is detected in brain, spleen, pancreas, liver, kidney and placenta; isoform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

#### GLI1 Antibody (N-Term) - 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](#)

#### GLI1 Antibody (N-Term) - 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.

#### **GLI1 Antibody (N-Term) - 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.

#### **GLI1 Antibody (N-Term) - 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).