

# Anti-GLI1 Antibody

Rabbit polyclonal antibody to GLI1  
Catalog # AP60837

## Product Information

|                   |                        |
|-------------------|------------------------|
| Application       | WB                     |
| Primary Accession | <a href="#">P08151</a> |
| Other Accession   | <a href="#">P47806</a> |
| Reactivity        | Human, Mouse, Rat      |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 117904                 |

## Additional Information

|                    |                                                                                                                                     |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID            | 2735                                                                                                                                |
| Other Names        | GLI; Zinc finger protein GLI1; Glioma-associated oncogene; Oncogene GLI                                                             |
| Target/Specificity | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human GLI1. The exact sequence is proprietary. |
| Dilution           | WB~~WB (1/500 - 1/2000)                                                                                                             |
| Format             | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.                     |
| Storage            | Store at -20 °C.Stable for 12 months from date of receipt                                                                           |

## Protein Information

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| Name     | GLI1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Synonyms | GLI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Function | <p>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:<a href="#">11238441</a>, PubMed:<a href="#">28973407</a>).</p> <p>Cytoplasm. Nucleus. Note=Tethered in the cytoplasm by binding to SUFU</p> |

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|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Cellular Location</b> | (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)                                                                               |
| <b>Tissue Location</b>   | 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) |

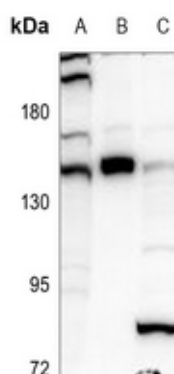
## Background

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KLH-conjugated synthetic peptide encompassing a sequence within the center region of human GLI1. The exact sequence is proprietary.

## Images

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Western blot analysis of GLI1 expression in Hela (A), mouse brain (B), A549 (C) whole cell lysates.

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