10320 Camino Santa Fe, Suite G
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Anti-GLI1 Antibody
Rabbit polyclonal antibody to GLI1
Catalog # AP60837

Specification

Anti-GLI1 Antibody - Product Information

Application	**WB**
Primary Accession	P08151
Other Accession	P47806
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**117904**

Anti-GLI1 Antibody - 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

Anti-GLI1 Antibody - Protein Information

Name GLI1

Synonyms GLI

Function
Acts as a transcriptional activator (PubMed:10806483, PubMed:19706761, PubMed:19878745, PubMed:24076122, PubMed:24217340, PubMed:<a href="http://www.uniprot.org/citations/24311597"

target="_blank">24311597). 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)

Anti-GLI1 Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-GLI1 Antibody - Images

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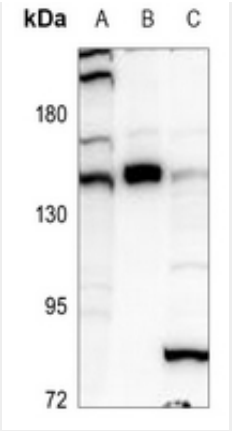

Western blot analysis of GLI1 expression in Hela (A), mouse brain (B), A549 (C) whole cell lysates.

Anti-GLI1 Antibody - Background

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