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Anti-GLI1 Antibody
Catalog # ABV11955

Specification

Anti-GLI1 Antibody - Product Information

Application	**WB**
Primary Accession	P08151
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Isotype	**Rabbit IgG**
Calculated MW	**117904**

Anti-GLI1 Antibody - Additional Information

Gene ID 2735

Positive Control	**WB: PC3, mouse barin, rat brain lysates**
Application & Usage	**WB; 1:500 – 1:2000**

Other Names
s GLI; Zinc finger protein GLI1; Glioma-associated oncogene; Oncogene GLI

Target/Specificity
GLI1

Antibody Form
Liquid

Appearance
Colorless liquid

Handling
The antibody solution should be gently mixed before use

Reconstitution & Storage
-20°C

Background Descriptions

Precautions
Anti-GLI1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-GLI1 Antibody - Protein Information

Name GLI1

Synonyms GLI

Function
Acts as a transcriptional activator (PubMed:19706761, PubMed:10806483, PubMed:19878745, PubMed:24076122, PubMed:24311597, PubMed:24217340). Binds to the DNA consensus sequence 5'-GACCACCCA-3' (PubMed:2105456, PubMed:8378770, PubMed:24217340). 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)

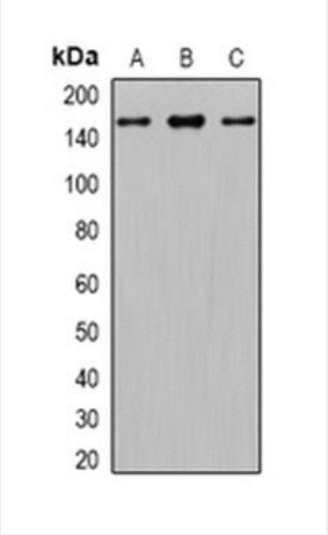
Anti-GLI1 Antibody - Protocols

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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WB analysis of GLI1 expression in PC3 (A); mouse brain (B); rat brain (C) whole cell lysates.