

Rabbit GLI1 Polyclonal Antibody | anti-GLI1 antibody

GLI1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327193	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

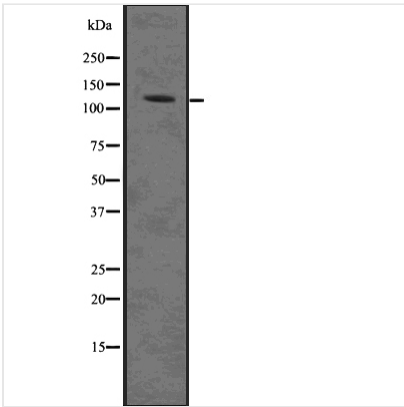
PRODUCT SYNONYMS

GLI1; Polyclonal Antibody; GLI1 Antibody; Gli 1; GLI; GLI family zinc finger 1; GLI Kruppel family member 1; gli1; GLI1_HUMAN; Glioma associated oncogene 1; Glioma associated oncogene homolog 1 (zinc finger protein); Glioma associated oncogene homolog; Glioma-associated oncogene; Oncogene GLI; Zfp 5; Zfp5; Zinc finger protein GLI 1; Zinc finger protein GLI1; anti-GLI1 antibody

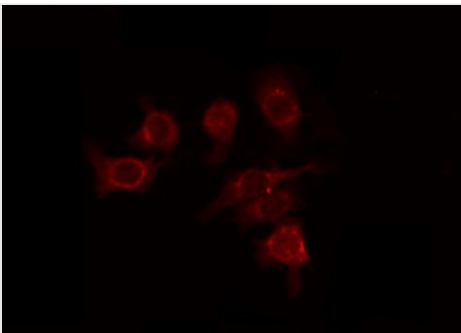
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	GLI1 antibody detects endogenous levels of total GLI1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	978
Applicable Applications for anti-GLI1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human GLI1
Subcellular Location	Cytoplasm. Nucleus. Tethered in the cytoplasm by binding to SUFU. Activation and translocation to the nucleus is promoted by interaction with STK36. Phosphorylation by ULK3 may promote nuclear localization. Translocation to the nucleus is promoted by interaction with ZIC1.
Tissue Specificity	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).
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

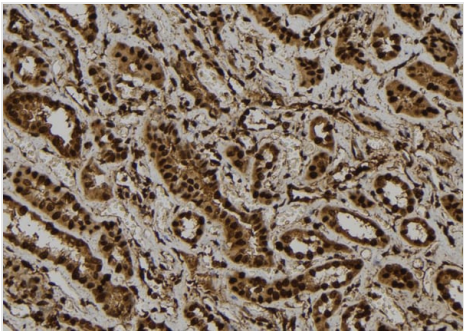
IMAGES



WB (Western Blot)
Western blot analysis GLI1 using HT-29 whole cell lysates



IF (Immunofluorescence)
AAA327193 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



IHC (Immunohistochemistry)
AAA327193 at 1/100 staining Human kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-GLI1 antibody	Function: Acts as a transcriptional activator (PubMed:19706761, PubMed:10806483, PubMed:19878745, PubMed:24311597, PubMed:24217340). Binds to the DNA consensus sequence 5'-GACCACCCA-3' (PubMed:2105456, PubMed:8378770, PubMed:24217340). May regulate the transcription of specific genes during normal development (PubMed:19706761). 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 (PubMed:19706761). Plays a role in cell proliferation and differentiation via its role in SHH signaling (Probable). Subunit Structure: Interacts with KIF7 (By similarity). Interacts with STK36 (PubMed:10806483). Interacts with ZIC1; the interaction enhances transcription activation (PubMed:11238441). Interacts with SUFU; this inhibits transcriptional activation by GLI1 (PubMed:10806483, PubMed:24311597, PubMed:24217340, PubMed:28965847). Post-translational Modifications: Phosphorylated in vitro by ULK3. Acetylation at Lys-518 down-regulates transcriptional activity. Deacetylated by HDAC1. Similarity: Belongs to the GLI C2H2-type zinc-finger protein family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	229892345
NCBI GeneID	2735
NCBI Accession #	NP_001153517.1
NCBI GenBank Nucleotide #	NM_001160045.1
UniProt Accession #	P08151; Q8TDN9; D0EUY3; E9PQQ9; F5H6H8

Molecular Weight	Observed: 119 kDa Predicted: 118 kDa
NCBI Official Full Name	zinc finger protein GLI1 isoform 2
NCBI Official Synonym Full Names	GLI family zinc finger 1
NCBI Official Symbol	GLI1
NCBI Official Synonym Symbols	GLI; PAPA8
NCBI Protein Information	zinc finger protein GLI1
UniProt Protein Name	Zinc finger protein GLI1
UniProt Gene Name	GLI1
UniProt Synonym Gene Names	GLI

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gli1-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/327193>