ARG58895
anti-GLI1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes GLI1
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	GLI1
Species	Human
Immunogen	Synthetic peptide within aa. 200-300 of Human GLI1 (NP_001153517.1).
Conjugation	Un-conjugated
Alternate Names	GLI; Glioma-associated oncogene; Zinc finger protein GLI1; Oncogene GLI

Application Instructions

Application table

Application	Dilution
ICC/IF	1:50 - 1:200
IHC-P	1:50 - 1:200
WB	1:500 - 1:2000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	Rat brain
Observed Size	160 kDa

Properties

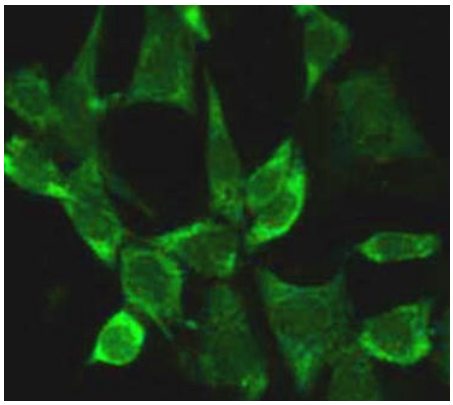
Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

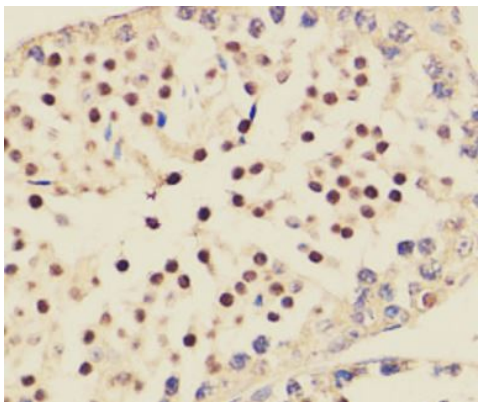
Gene Symbol	GLI1
Gene Full Name	GLI family zinc finger 1
Background	This gene encodes a member of the Kruppel family of zinc finger proteins. The encoded transcription factor is activated by the sonic hedgehog signal transduction cascade and regulates stem cell proliferation. The activity and nuclear localization of this protein is negatively regulated by p53 in an inhibitory loop. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2009]
Function	Acts as a transcriptional activator. Binds to the DNA consensus sequence 5'-GACCACCCA-3'. 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. Plays a role in cell proliferation and differentiation via its role in SHH signaling (Probable). Isoform 2: Acts as a transcriptional activator, but activates a different set of genes than isoform 1. Activates expression of CD24, unlike isoform 1. Mediates SHH signaling. Promotes cancer cell migration. [UniProt]
Calculated Mw	118 kDa
PTM	Phosphorylated in vitro by ULK3. Acetylation at Lys-518 down-regulates transcriptional activity. Deacetylated by HDAC1. [UniProt]
Cellular Localization	Cytoplasm, Nucleus, Nucleus,. [UniProt]

Images



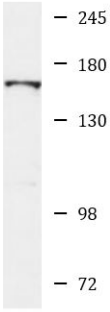
ARG58895 anti-GLI1 antibody ICC/IF image

Immunofluorescence: NIH/3T3 cells stained with ARG58895 anti-GLI1 antibody at 1:100 dilution.



ARG58895 anti-GLI1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse testis stained with ARG58895 anti-GLI1 antibody at 1:100 dilution.



Rat brain

ARG58895 anti-GLI1 antibody WB image

Western blot: 25 µg of Rat brain lysate stained with ARG58895 anti-GLI1 antibody at 1:1000 dilution.