For Research Use Only

GLI1 Monoclonal antibody

Catalog Number:66905-1-lg Featured Product

62 Publications

BC013000

GeneID (NCBI):

UNIPROT ID:

Full Name:

GLI family zinc finger 1

P08151

GenBank Accession Number:



Basic Information

Catalog Number: 66905-1-lg

Size: 2000 μg/ml Source: Mouse

Isotype:

lgG1 Immunogen Catalog Number:

AG27832

Calculated MW: 1106 aa, 118 kDa Observed MW:

150 kDa

Purification Method:

IF 1:400-1:1600

Protein A purification

CloneNo.: 1D2B2

Recommended Dilutions: WB 1:5000-1:50000

Applications

Tested Applications: IF/ICC, WB, ELISA Cited Applications: CoIP, IF, IHC, WB Species Specificity: Human, rat, mouse, pig **Cited Species:**

human, rat, mouse

Positive Controls:

WB: A549 cells, HEK-293 cells, C6 cells, human testis tissue, BxPC-3 cells, NCI-H1299 cells, U-251 cells, mouse liver tissue, rat liver tissue, MCF-7 cells, MDA-MB-231 cells, pig brain tissue, rat brain tissue, mouse brain tissue

IF: HeLa cells,

Background Information

GLI 1, also known as Glioma-associated oncogene, is a 1106 amino acid protein, which belongs to the GLI C2H2-type zinc-finger protein family. GLI 1 is detected in testis and Also expressed in the brain with highest expression in the cerebellum, optic nerve and olfactory tract. GLI1 is tethered in the cytoplasm by binding to SUFU (PubMed:10806483). GLI 1 is activated and translocated to the nucleus promoted by interaction with STK36 (PubMed:10806483). Phosphorylation of GLI1 by ULK3 may promote nuclear localization (PubMed:19878745). GLI1 as a transcriptional activator may regulate the transcription of specific genes during normal development (PubMed:19706761). GLI1 plays a role in craniofacial development and digital development, as well as development of the central nervous system and gastrointestinal tract and Mediates SHH signaling (PubMed:19706761). GLI1 plays a role in cell proliferation and differentiation via its role in SHH signaling.

Notable Publications

Author	Pubmed ID	Journal	Application
Qian Wang	32999044	Mol Cancer Ther	WB
Daosen Chen	34659557	J Cancer	WB,IHC
Yijia Jia	34522723	Regen Ther	IHC

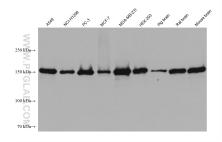
Storage

Store at -20°C. Stable for one year after shipment.

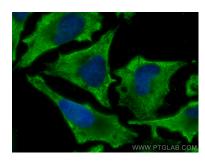
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66905-1-lg (GLI1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed Hela cells using GLI 1 antibody (66905-1-lg, Clone: 1D2B2) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).