

For Research Use Only

GLI1 Monoclonal antibody, PBS Only



Catalog Number: 66905-1-PBS

Featured Product

Basic Information

Catalog Number:

66905-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG27832

GenBank Accession Number:

BC013000

GeneID (NCBI):

2735

UNIPROT ID:

P08151

Full Name:

GLI family zinc finger 1

Calculated MW:

1106 aa, 118 kDa

Observed MW:

150 kDa

Purification Method:

Protein A purification

CloneNo.:

1D2B2

Applications

Tested Applications:

WB, IF, ELISA

Species Specificity:

Human, rat, mouse, pig

Background Information

GLI1, also known as Glioma-associated oncogene, is a 1106 amino acid protein, which belongs to the GLI C2H2-type zinc-finger protein family. GLI1 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). GLI1 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.

Storage

Storage:

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

Storage Buffer:

PBS only

Aliquoting is unnecessary for -20°C storage

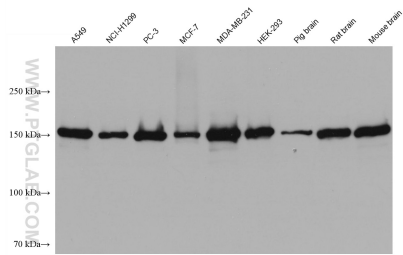
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

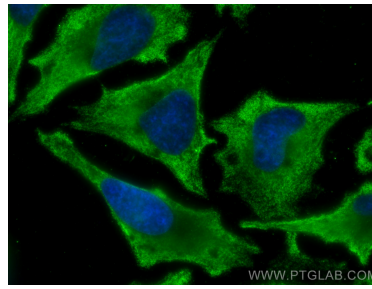
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66905-1-Ig (GLI1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66905-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using GLI1 antibody (66905-1-Ig, Clone: 1D2B2) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66905-1-PBS in a different storage buffer formulation.