SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-phospho-Gli1 (S112/ T115/ S116)antibody

Catalog Number: SL23799R

FOR RESEARCH USE ONLY

[DATASHEET]

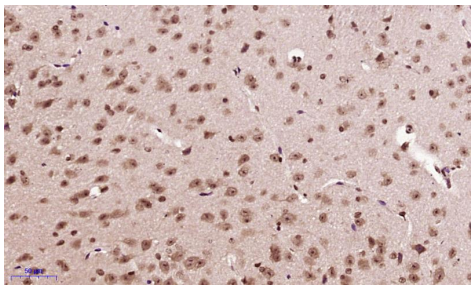
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	phospho-Gli1 (S112/ T115/ S116)
Immunogen:	KLH conjugated sSynthesised phosphopeptidepeptide derived from human Gli1 around the phosphorylation site of S112/ T115/ S116: IN(p-S)RC(p-T)(p-S)PG
Purification:	affinity purified by Protein A
Concentration:	1mg/1ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse(predicted:Human,Rat,Rabbit)
Predicted MW.:	118kDa
Subcellular Location:	The nucleus cytoplasmic
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. 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 and thus cell proliferation and differentiation.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	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:** Testis, myometrium and fallopian tube. Also expressed in the brain with highest expression in the cerebellum, optic nerve and olfactory tract. **Database links:** **Entrez Gene:** 2735 Human **Entrez Gene:** 14632 Mouse **Entrez Gene:** 140589 Rat **Entrez Gene:** 517588 Cow Omim: 165220 Human **SwissProt:** P08151 Human **SwissProt:** P47806 Mouse **Unigene:** 632702 Human **Unigene:** 391450 Mouse **Unigene:** 219157 Rat

[VALIDATION IMAGES]



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (phospho-Gli1 (T101/S102/S104)) Polyclonal Antibody, Unconjugated (SL23798R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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