



Human GLI2 blocking peptide (DAG-P0537)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a protein which belongs to the C2H2-type zinc finger protein subclass of the Gli family. Members of this subclass are characterized as transcription factors which bind DNA through zinc finger motifs. These motifs contain conserved H-C links. Gli family zinc finger proteins are mediators of Sonic hedgehog (Shh) signaling and they are implicated as potent oncogenes in the embryonal carcinoma cell. The protein encoded by this gene localizes to the cytoplasm and activates patched Drosophila homolog (PTCH) gene expression. It is also thought to play a role during embryogenesis. The encoded protein is associated with several phenotypes- Greig cephalopolysyndactyly syndrome, Pallister-Hall syndrome, preaxial polydactyly type IV, postaxial polydactyly types A1 and B. [provided by RefSeq, Jul 2008]
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Conjugate	Unconjugated
Applications	BL
Sequence Similarities	Belongs to the GLI C2H2-type zinc-finger protein family.Contains 5 C2H2-type zinc fingers.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

GENE INFORMATION

Gene Name	GLI2 GLI family zinc finger 2 [Homo sapiens (human)]
Official Symbol	GLI2
Synonyms	GLI2; GLI family zinc finger 2; HPE9; THP1; THP2; zinc finger protein GLI2; oncogene GLI2; tax helper protein 1; tax helper protein 2; GLI-Kruppel family member GLI2; tax-responsive element-2 holding protein; glioma-associated oncogene family zinc finger 2; tax-responsive

element-25-bp sequence binding protein;

Entrez Gene ID	2736
mRNA Refseq	NM_005270.4
Protein Refseq	NP_005261.2
UniProt ID	P10070
Chromosome Location	2q14
Pathway	Basal cell carcinoma, organism-specific biosystem; Basal cell carcinoma, conserved biosystem; Hedgehog Signaling Pathway, organism-specific biosystem; Hedgehog signaling events mediated by Gli proteins, organism-specific biosystem; Hedgehog signaling pathway, organism-specific biosystem; Hedgehog signaling pathway, conserved biosystem; Hippo signaling pathway, organism-specific biosystem; Hippo signaling pathway, conserved biosystem; Pathways in cancer, organism-specific biosystem; Signaling eve
Function	chromatin binding; protein binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; transcription regulatory region DNA binding; zinc ion binding;