

Product datasheet for **CF804599**

GLI2 Mouse Monoclonal Antibody [Clone ID: OTI1G2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1G2
Applications:	WB
Recommended Dilution:	WB 1:2000
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 729-1123 of human GLI2 (NP_005261) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	167.6 kDa
Gene Name:	GLI family zinc finger 2
Database Link:	NP_005261 Entrez Gene 14633 Mouse Entrez Gene 2736 Human P10070



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Background:

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]

Synonyms:

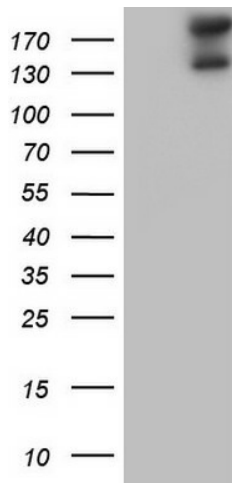
CJS; HPE9; PHS2; THP1; THP2

Protein Families:

Adult stem cells, Cancer stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS

Protein Pathways:

Basal cell carcinoma, Hedgehog signaling pathway, Pathways in cancer

Product images:


HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY GLI2 ([RC217291], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-GLI2. Positive lysates [LY417413] (100ug) and [LC417413] (20ug) can be purchased separately from OriGene.