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Product datasheet for CF803967

GLI1 Mouse Monoclonal Antibody [Clone ID: OTI4E2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI4E2
Applications:	IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 755-1106 of human GLI1 (NP_005260) 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:	117.7 kDa
Gene Name:	Homo sapiens GLI family zinc finger 1 (GLI1), transcript variant 1, mRNA.
Database Link:	NP_005260 Entrez Gene 14632 MouseEntrez Gene 2735 Human P08151

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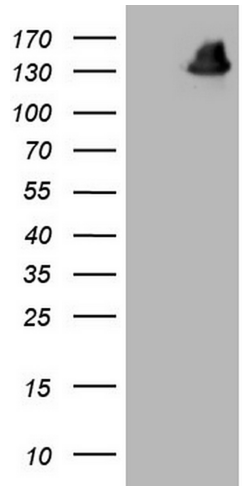
Background: This gene encodes a member of the Kruppel family of zinc finger proteins. The encoded transcription factor is activated by the sonic hedgehog signal transduction cascade and regulates stem cell proliferation. The activity and nuclear localization of this protein is negatively regulated by p53 in an inhibitory loop. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2009]

Synonyms: GLI; PAPA8; PPD1

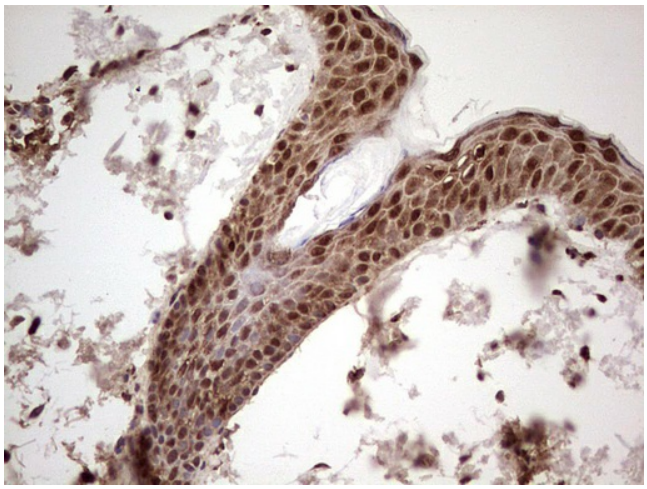
Protein Families: Adult stem cells, Cancer stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Stem cell relevant signaling - DSL/Notch pathway, Transcription Factors

Protein Pathways: Basal cell carcinoma, Hedgehog signaling pathway, Pathways in cancer

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY GLI1 (Cat# [RC201110], 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-GLI1(Cat# [TA803967]). Positive lysates [LY417412] (100ug) and [LC417412] (20ug) can be purchased separately from OriGene.



Immunohistochemical staining of paraffin-embedded Human skin tissue using anti-GLI1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, [TA803967])

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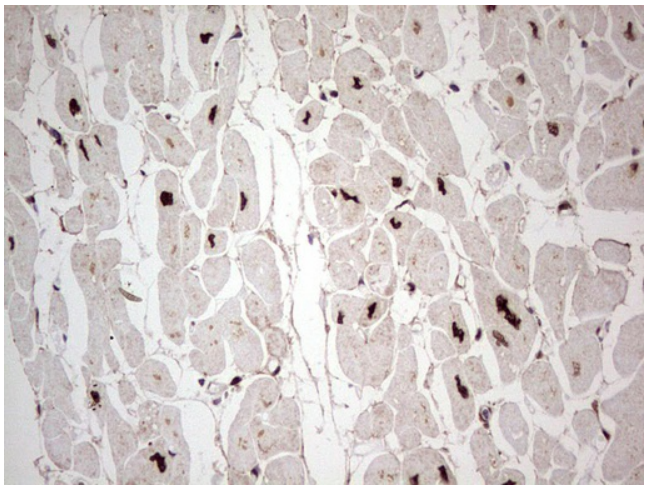
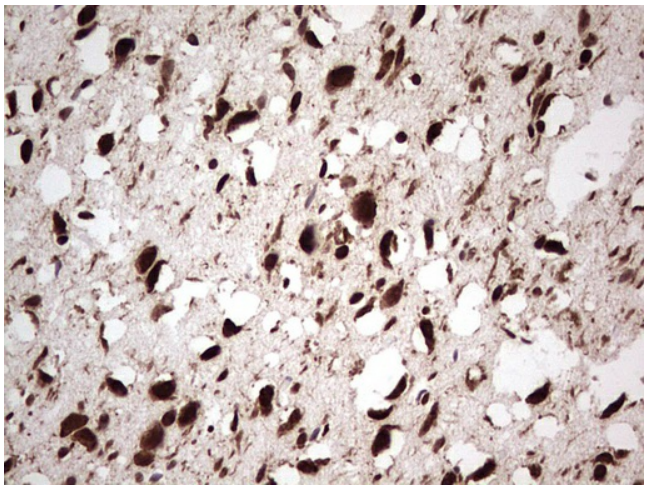
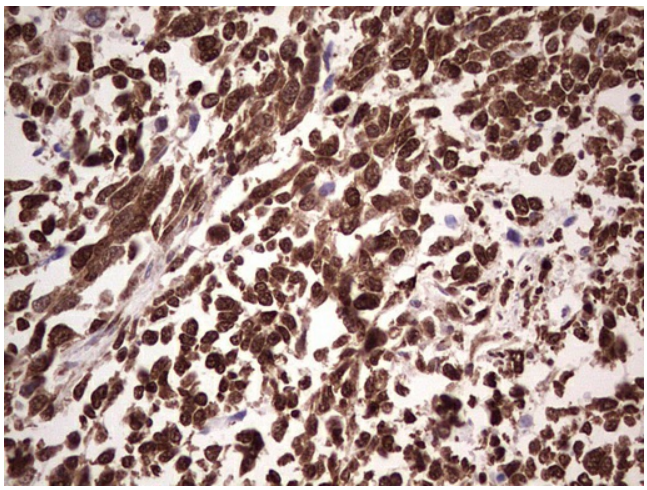


Immunohistochemical staining of paraffin-embedded Human adult heart tissue using anti-GLI1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, [TA803967])



Immunohistochemical staining of paraffin-embedded Human adult brain tissue using anti-GLI1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, [TA803967])



Immunohistochemical staining of paraffin-embedded Human melanoma tissue using anti-GLI1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, [TA803967])

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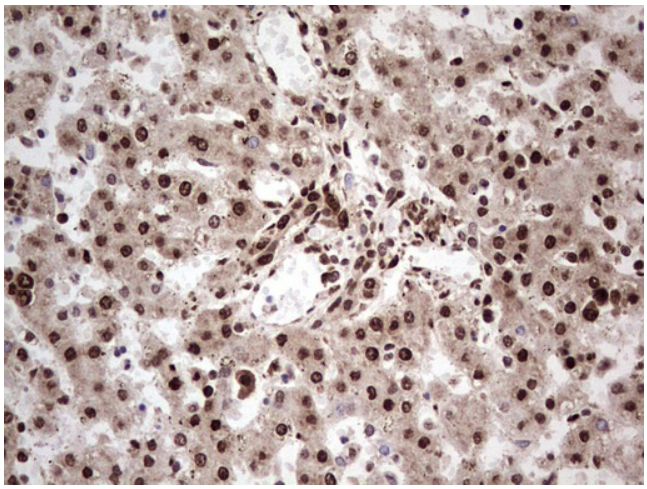
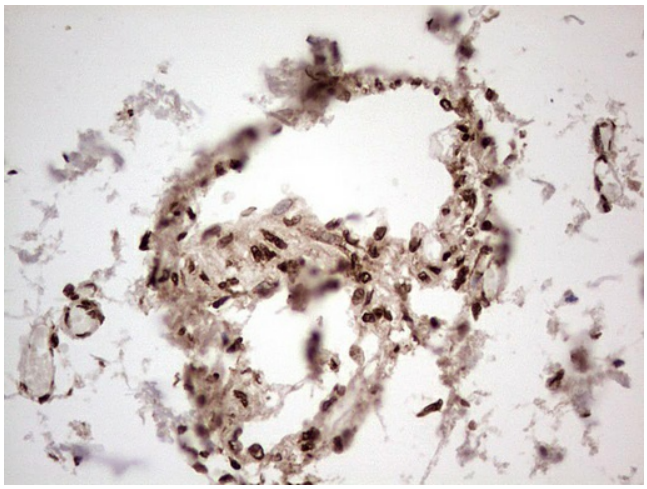
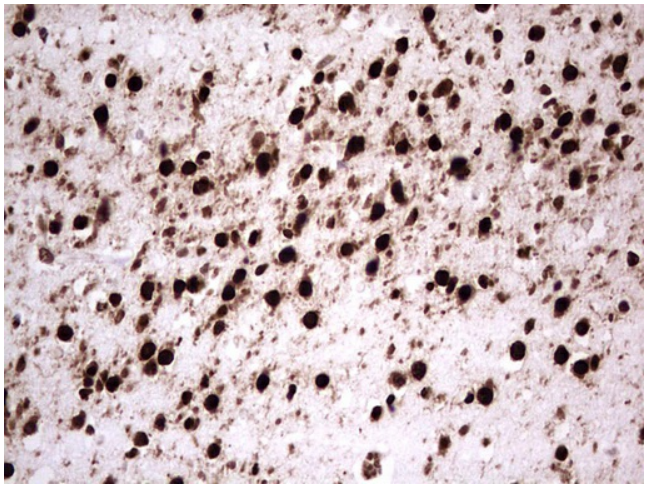


Immunohistochemical staining of paraffin-embedded Human embryonic liver tissue using anti-GLI1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, [TA803967])



Immunohistochemical staining of paraffin-embedded Human muscle tissue using anti-GLI1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, [TA803967])



Immunohistochemical staining of paraffin-embedded Human embryonic brain cortex tissue using anti-GLI1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, [TA803967])

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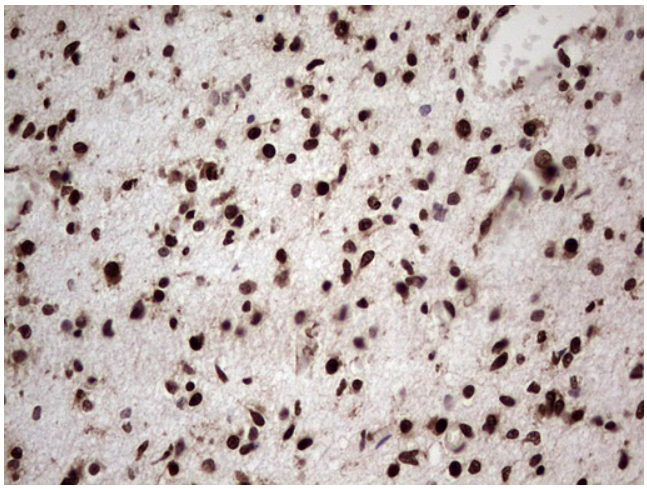
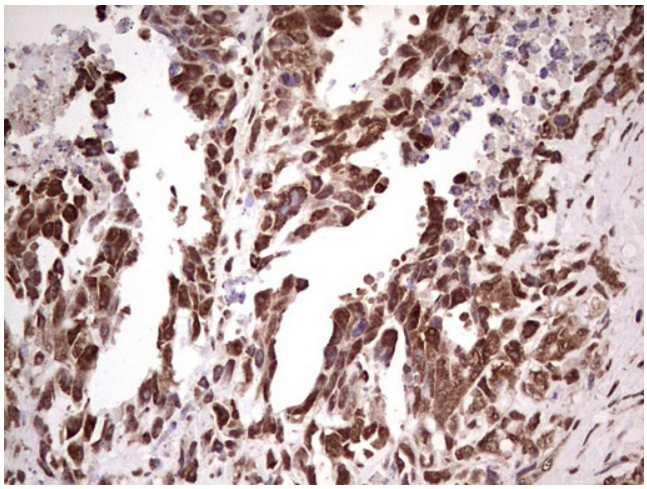
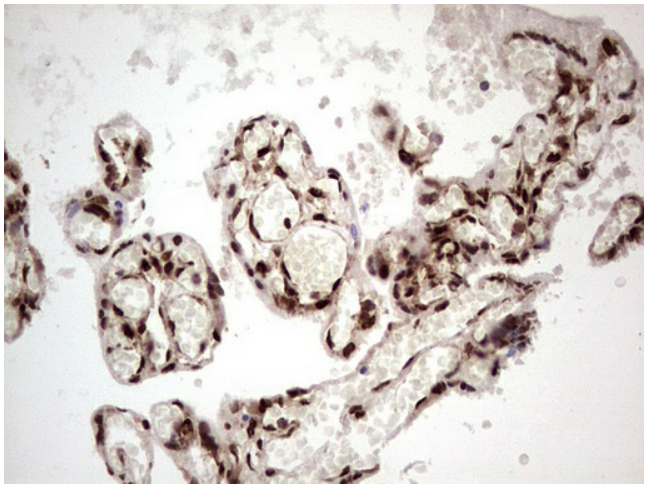


Immunohistochemical staining of paraffin-embedded Human embryonic cerebellum using anti-GLI1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, [TA803967])



Immunohistochemical staining of paraffin-embedded Human testicular cancer tissue using anti-GLI1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, [TA803967])



Immunohistochemical staining of paraffin-embedded Human placenta tissue using anti-GLI1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, [TA803967])

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