

Product datasheet for **UM800063**

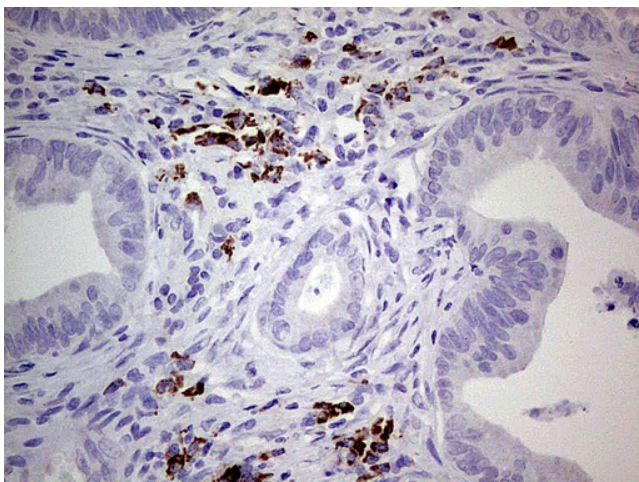
GLI1 Mouse Monoclonal Antibody [Clone ID: UMAB170]

Product data:

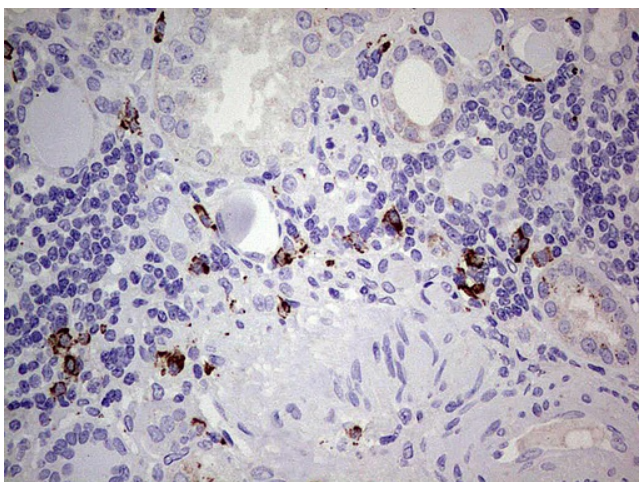
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|-------------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | UMAB170 |
| Applications: | 10k-ChIP, IF, IHC, WB |
| Recommended Dilution: | IHC 1:100~200 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Human recombinant protein fragment corresponding to amino acids 1-410 of human GLI1 (NP_005260) produced in E.coli. |
| Formulation: | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide. |
| Concentration: | 0.5~1.0 mg/ml (Lot Dependent) |
| 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: | GLI family zinc finger 1 |
| Database Link: | NP_005260 Entrez Gene 14632 Mouse Entrez Gene 2735 Human P08151 |
| 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] |


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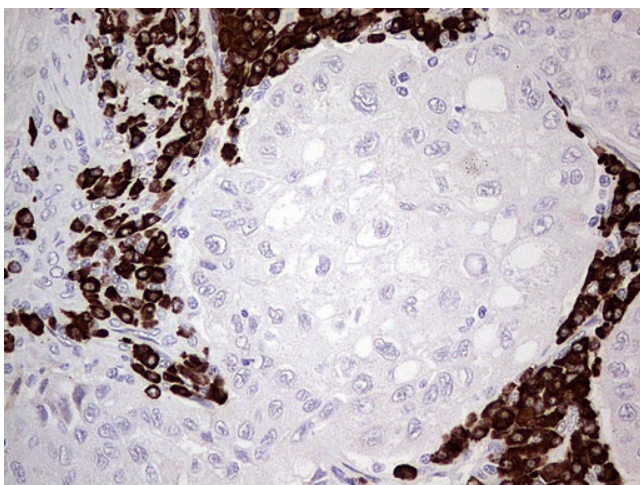
| | |
|--------------------------|---|
| Synonyms: | GLI |
| Protein Families: | Adult stem cells, Cancer stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Stem cell relevant signaling - DSL/Notch pathway, Transcription Factors |
| Protein Pathways: | Basal cell carcinoma, Hedgehog signaling pathway, Pathways in cancer |

Product images:


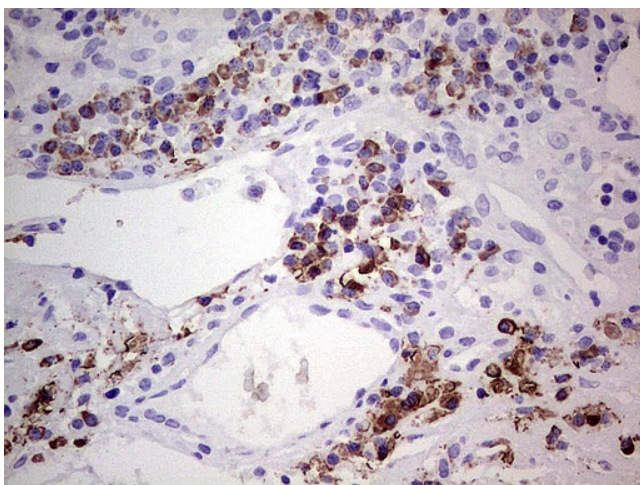
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-GLI1 mouse monoclonal antibody. (UM800063; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)



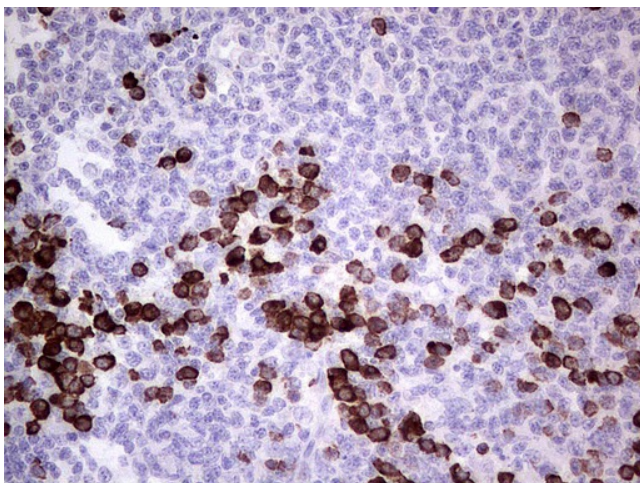
Immunohistochemical staining of paraffin-embedded Human Kidney tissue using anti-GLI1 mouse monoclonal antibody. (UM800063; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)



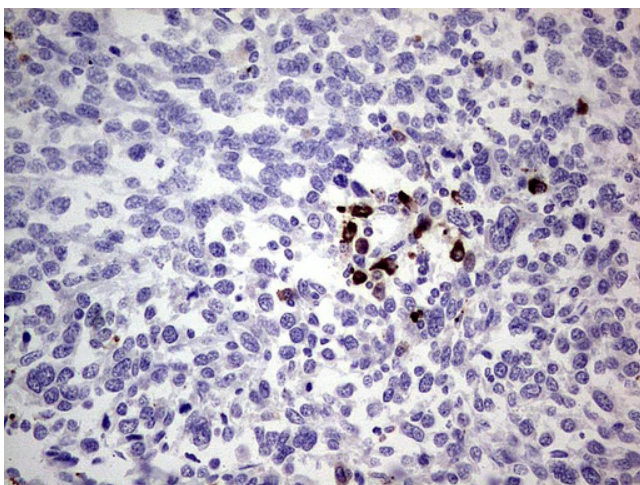
Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-GLI1 mouse monoclonal antibody. (UM800063; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)



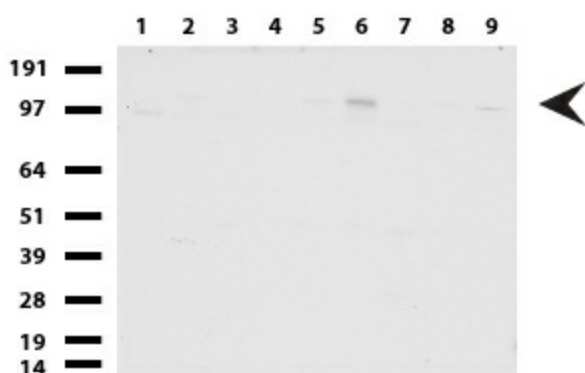
Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-GLI1 mouse monoclonal antibody. (UM800063; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)



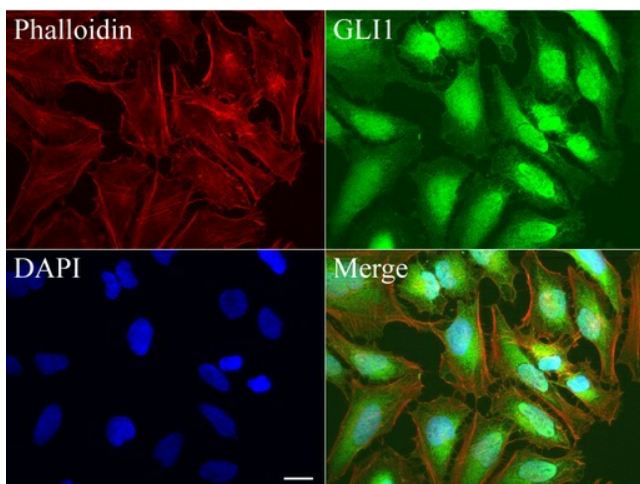
Immunohistochemical staining of paraffin-embedded Human tonsil using anti-GLI1 mouse monoclonal antibody. (UM800063; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)



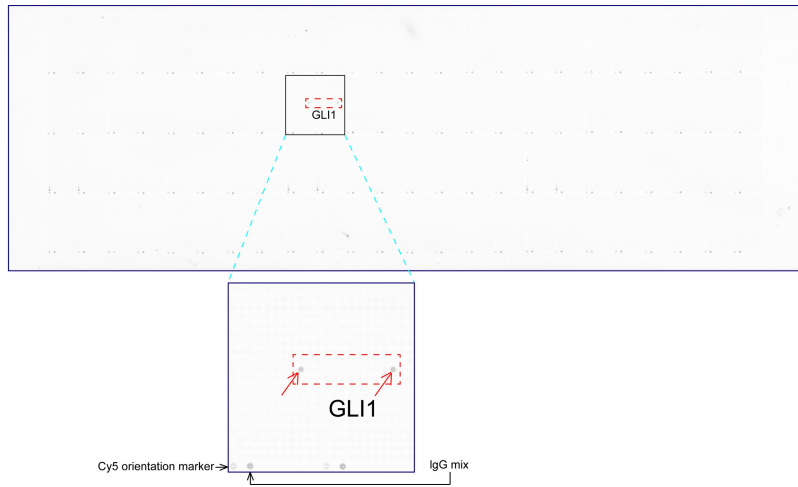
Immunohistochemical staining of paraffin-embedded Human melanoma tissue using anti-GLI1 mouse monoclonal antibody. (UM800063; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.0, 120°C for 3min)



Western blot of cell lysates (35ug) from 9 different cell lines (1: HepG2, 2: HeLa, 3: SV-T2, 4: A549, 5: COS7, 6: Jurkat, 7: MDCK, 8: PC-12, 9: MCF7).



Immunofluorescent staining of HeLa cells using anti-GLI1 mouse monoclonal antibody (UM800063, green, 1:50). Actin filaments were labeled with Alexa Fluor® 594 Phalloidin (red), and nuclear with DAPI (blue). Scale bar, 20µm.



OriGene overexpression protein microarray chip was immunostained with UltraMAB anti-GLI1 mouse monoclonal antibody (UM800063). The positive reactive proteins are highlighted with two red arrows in the enlarged subarray. All the positive controls spotted in this subarray are also labeled for clarification.