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# anti-GLI2 antibody (C-Term)

2 Images



Publication



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Quantity:	100 μg	
Target:	GLI2	
Binding Specificity:	AA 1444-1463, C-Term	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This GLI2 antibody is un-conjugated	
Application:	Western Blotting (WB)	
Product Details		
Purpose:	Rabbit IgG polyclonal antibody for Zinc finger protein GLI2(GLI2) detection. Tested with WB in Human.	
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human Gli2(1444-1463aa MLYYYGQIHMYEQDGGLENL).	
Sequence:	MLYYYGQIHM YEQDGGLENL	
Isotype:	IgG	
Cross-Reactivity (Details):	No cross reactivity with other proteins.	
Characteristics:	Rabbit IgG polyclonal antibody for Zinc finger protein GLI2(GLI2) detection. Tested with WB in Human.  Gene Name: GLI family zinc finger 2  Protein Name: Zinc finger protein GLI2	

# **Product Details** Purification: Immunogen affinity purified. **Target Details** Target: GLI2 Alternative Name GLI2 (GLI2 Products) Background: GLI2(Gli-Kruppel Family Member 2), also called ONCOGENE GLI2, is a protein that in humans is encoded by the GLI2 gene. Sequencing of GLI cDNA clones showed the presence of 5 tandem zinc fingers connected by histidine-cysteine links, which indicated that the gene belongs to the family of zinc finger genes related to Kruppel(Kr). The Drosophila gene Kr is a member of the gap class of segmentation genes, thoracic and anterior abdominal segments fail to form in Kr mutant embryos. By fluorescence in situ hybridization, Matsumoto et al.(1996) refined the assignment of the GLI2 gene to chromosome 2q14. Roessler et al.(2005) showed that GLI2delta-N exhibited potent transcriptional activity in vivo: overexpression in mouse skin led to the formation of hedgehog-independent epithelial downgrowths resembling basal cell carcinomas, which in humans are associated with constitutive hedgehog signaling. Synonyms: Gli 2 antibody|GLI family zinc finger 2 antibody|GLI kruppel family member 2 antibody|GLI Kruppel family member GLI2 antibody|GLI2 antibody|GLI2\_HUMAN antibody|Oncogene GLI2 antibody|Tax helper protein antibody|Tax helper protein 2 antibody|Tax responsive element 2 holding protein antibody|Tax responsive element 25 bp sequence binding protein antibody|THP 2 antibody|THP antibody|THP2 antibody|Zinc finger protein GLI2 antibody UniProt: P10070 Pathways: Hedgehog Signaling, Dopaminergic Neurogenesis Application Details WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, The detection limit for GLI2 is **Application Notes:** approximately 0.5 ng/lane under reducing conditions. Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested. Optimal dilutions should be determined by end users. Antibody can be supported by chemiluminescence kit ABIN921124 in WB. Comment: Restrictions: For Research Use only

## Handling

Format:	Lyophilized	
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.	
Concentration:	500 μg/mL	
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 mg Sodium azide.	
Preservative:	Thimerosal (Merthiolate), Sodium azide	
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.	
Handling Advice:	Avoid repeated freezing and thawing.	
Storage:	4 °C/-20 °C	
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month.  It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.	
Expiry Date:	12 months	

#### **Publications**

Product cited in:

Zhang, Wu: "Fasudil inhibits proliferation and migration of Hep-2 laryngeal carcinoma cells." in: **Drug design, development and therapy**, Vol. 12, pp. 373-381, (2018) (PubMed).

Zhou, Wu, Ma, Xiao, Yu, Yang, Xu, Zhang, Zhou, Ye, Wang: "Attenuation of TGFBR2 expression and tumour progression in prostate cancer involve diverse hypoxia-regulated pathways." in:

Journal of experimental & clinical cancer research: CR, Vol. 37, Issue 1, pp. 89, (2018) (
PubMed).

Schwartz, Bochkariov: "Novel chemiluminescent Western blot blocking and antibody incubation solution for enhanced antibody-antigen interaction and increased specificity." in:

Electrophoresis, Vol. 38, Issue 20, pp. 2631-2637, (2017) (PubMed).

Zuo, Liu, Zhang, Wu, Guo, Liao: "Development of trastuzumab-resistant human gastric carcinoma cell lines and mechanisms of drug resistance." in: **Scientific reports**, Vol. 5, pp. 11634, (2015) (PubMed).

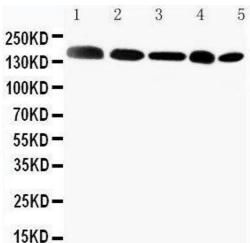
Chen, Bao, Zhou, Wang, Wei, Fan: "Glucose transporter-1 expression in CD133+ laryngeal carcinoma Hep-2 cells." in: **Molecular medicine reports**, Vol. 8, Issue 6, pp. 1695-700, (2013) ( PubMed).

## **Images**



# **Western Blotting**

**Image 1.** Anti-Gli2 antibody, Western blotting WB: Human Placenta Tissue Lysate



### **Western Blotting**

Image 2. Anti-Gli2 antibody, Western blotting Lane 1: MCF-7 Cell Lysate Lane 2: HELA Cell Lysate Lane 3: SKOV Cell Lysate Lane 4: Cell Lysate Lane 5: A549 Cell Lysate