

## Anti-GLI1 Rabbit pAb



WLA0478

For Research Use Only. Not For Use In Diagnostic Procedures

## Product Information

<b>Product name</b>	Anti-GLI1 Rabbit pAb	
<b>Source</b>	Rabbit	
<b>Species reactivity</b>	Human, Mouse, Rat	
<b>Tested applications</b>	WB	1:1000-1:2000
	IHC, IF	1:100-1:500
<b>Cellular localization</b>	Cytoplasm, Nucleus.	
<b>Pack size</b>	50/100/200/500/1000µl	
<b>Storage</b>	Store at -20°C. <b>Avoid freeze/thaw cycles.</b>	
<b>Storage buffer</b>	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide	

## General Information

## Background

GLI1 (Glioma associated oncogene 1) is a member of the GLI C2H2-type zinc-finger protein family. At rest, GLI1 is anchored in the cytoplasm by binding to the SUFU (Suppressor of Fused) protein. When the signal is activated, GLI1 undergoes conformational changes through its interaction with STK36 (Serine/Tetranine Kinase 36), thereby releasing SUFU inhibition and transferring to the nucleus. In addition, ULK3 (Unc-51 Like Autophagy Activating Kinase 3) mediated phosphorylation modification has been shown to promote nuclear localization of GLI1. As a transcription activator, GLI1 regulates the expression of downstream genes by recognizing and binding to the DNA consensus sequence 5'-GACCCCA-3'. GLI1 can mediate SHH signaling and play a role in cell proliferation and differentiation through its role in SHH signaling. GLI1 can also promote cancer cell migration.

## Immunogen

Polyclonal antibody is produced by immunizing animals with a synthetic peptide of GLI1.

## Purification

Polyclonal antibody was purified by Protein A affinity chromatography.

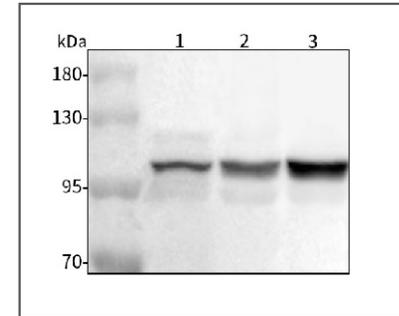
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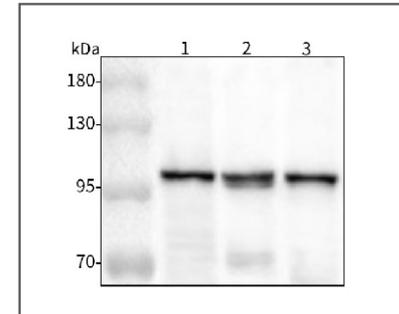
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## Product Images



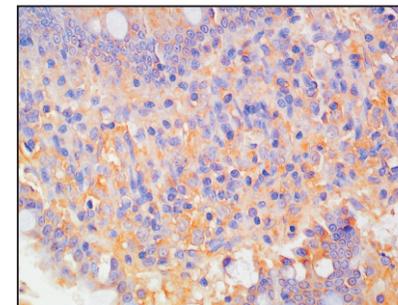
## Western blot-Anti-GLI1 pAb

**Lane 1:** Human HEK293 cell lysate  
**Lane 2:** Human HCT116 cell lysate  
**Lane 3:** Human TPC-1 cell lysate  
**All lanes:** Anti-GLI1 at 1:2000 dilution  
 Lysates/proteins at 20-50 µg per lane.  
 Predicted band size: 118 kDa  
 Observed band size: 118 kDa



## Western blot-Anti-GLI1 pAb

**Lane 1:** Mouse kidney tissue lysate  
**Lane 2:** Rat colon tissue lysate  
**Lane 3:** Rat stomach tissue lysate  
**All lanes:** Anti-GLI1 at 1:2000 dilution  
 Lysates/proteins at 20-50 µg per lane.  
 Predicted band size: 118 kDa  
 Observed band size: 118 kDa



## Immunohistochemistry-Anti-GLI1 pAb

Immunohistochemical analysis of paraffin-embedded rat intestine using anti-GLI1 Rabbit Antibody at 1:200 dilution.  
 Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

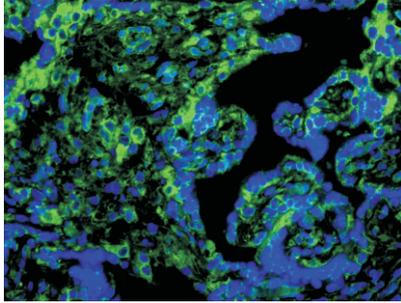
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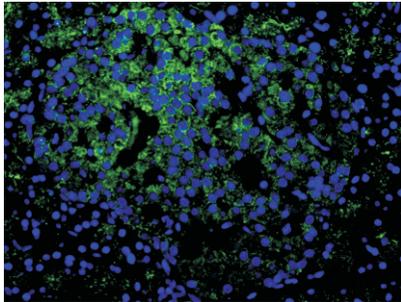
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### Product Information



#### Immunofluorescence-Anti-GLI1 pAb

Immunofluorescence analysis of paraffin-embedded human placenta using anti-GLI1 Rabbit Antibody at 1:200 dilution.  
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



#### Immunofluorescence-Anti-GLI1 pAb

Immunofluorescence analysis of paraffin-embedded rat pancreas using anti-GLI1 Rabbit Antibody at 1:200 dilution.  
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0