

# Gli2 polyclonal antibody

Catalog # PAB10270

Size 100 ug

## Applications

### Western Blot (Tissue lysate)

Western blot using Gli2 polyclonal antibody (Cat # PAB10270) shows detection of a predominant band at ~190 KDa corresponding to Gli2 (arrowhead) in mouse brain tissue lysate (Lane 1).

Pre-incubation of antibody with immunizing peptide completely blocks staining of this band (Lane 2).

Approximately 25 ug of lysate was resolved on a 4-8% Tris-glycine gel by SDS-PAGE and transferred onto nitrocellulose.

After blocking with 5% goat serum and 0.5% BLOTTO in PBS, the membrane was probed with the primary antibody diluted to 1 : 750.

Incubation was at room temperature for 2 h followed by washes and reaction with a 1 : 10,000 dilution of IRDye® 800 conjugated Gt-a-Rabbit IgG (H&L) MX10 for 45 min at room temperature.

Molecular weight markers are shown (M) using the 700 nm channel (red).

IRDye® 800 fluorescence image was captured using the Odyssey® Infrared Imaging System developed by LI-COR.

IRDye is a trademark of LI-COR, Inc.



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

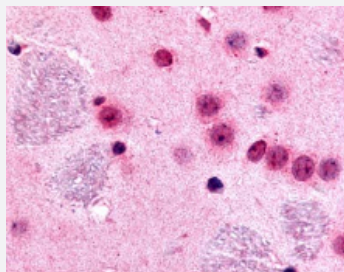
Immunohistochemistry of Gli2 polyclonal antibody (Cat # PAB10270) was used at 10 ug/mL to evaluate staining on several mouse tissues.

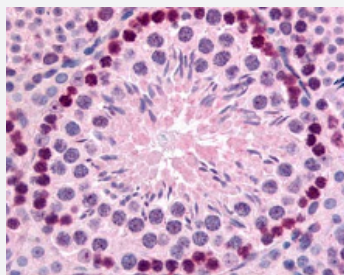
Moderate to strong staining was seen on many tissues with low background staining.

This image shows Gli2 staining of mouse brain.

Tissue was formalin-fixed and paraffin embedded.

Personal Communication, Tina Roush, Life Span Biosciences, Seattle, WA.





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This image shows Gli2 staining of mouse testis.

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## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic peptide of Gli2.
<b>Immunogen</b>	A synthetic peptide corresponding to internal region of mouse Gli2.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Mouse, Rat
<b>Specificity</b>	This affinity purified antibody is directed against mouse Gli-2 protein.
<b>Form</b>	Liquid
<b>Quality Control Testing</b>	Antibody Reactive Against Synthetic Peptide.
<b>Recommend Usage</b>	ELISA (1:15000-1:60000) Western Blot (1:500-1:2000) Immunohistochemistry (2-20 ug/mL) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In 20 mM KH <sub>2</sub> PO <sub>4</sub> , 150 mM NaCl, pH 7.2 (0.01% sodium azide)
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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- Enzyme-linked Immunoabsorbent Assay

## Gene Info — Gli2

Entrez GeneID [14633](#)

Protein Accession# [Q8K0K3\(fragment\):XP\\_136212](#)

Gene Name Gli2

Gene Alias AW546128

Gene Description GLI-Kruppel family member GLI2

Gene Ontology [Hyperlink](#)

Other Designations Tax helper protein

## Publication Reference

- [Gli3 null mice display glandular overgrowth of the developing stomach.](#)

Kim JH, Huang Z, Mo R.

Developmental Dynamics 2005 Dec; 234(4):984.

- [Molecular control of spinal accessory motor neuron/axon development in the mouse spinal cord.](#)

Dillon AK, Fujita SC, Matise MP, Jarjour AA, Kennedy TE, Kollmus H, Arnold HH, Weiner JA, Sanes JR, Kaprielian Z.

The Journal of Neuroscience 2005 Nov; 25(44):10119.

- [Gli2 and Gli3 have redundant and context-dependent function in skeletal muscle formation.](#)

McDermott A, Gustafsson M, Elsam T, Hui CC, Emerson CP Jr, Borycki AG.

Development 2005 Jan; 132(2):345.