

## Anti-Gli-2 Antibody

Catalog Number: A00701

### About GLI2

Gli-2 (also known as Zinc Finger Protein Gli-2, GLI-Kruppel family member GLI-2 or Tax helper protein) belongs to the C2H2-type zinc finger protein subclass of the Gli family. Members of this subclass are characterized as transcription factors that bind DNA through zinc finger motifs. These motifs contain conserved H-C links. Gli family zinc finger proteins are mediators of Sonic hedgehog (Shh) signaling, and they are implicated as potent oncogenes in the embryonal carcinoma cell. The protein encoded by this gene localizes to the cytoplasm and activates patched Drosophila homolog (PTCH) gene expression. Gli-2 is also thought to play a role during embryogenesis. The encoded protein is associated with several phenotypes: Greig cephalopolysyndactyly syndrome, Pallister-Hall syndrome, pre-axial polydactyly type IV, and postaxial polydactyly types A1 and B. Anti-Gli 2 Antibody is useful for researchers interested in transcription factor activities, DNA binding, and chromatin binding research.

### Overview

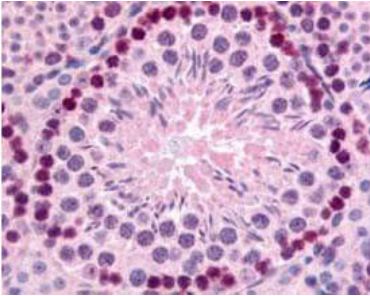
Product Name	Anti-Gli-2 Antibody
Reactive Species	Mouse
Description	Boster Bio Anti-Gli-2 Antibody (Catalog # A00701). Tested in ELISA, IHC, WB applications. This antibody reacts with Mouse.
Application	ELISA, IHC, WB
Clonality	Polyclonal
Formulation	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 0.01% (w/v) Sodium Azide
Storage Instructions	Store vial at -20°C prior to opening. Aliquot contents and freeze at -20°C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4°C as an undiluted liquid. Dilute only prior to immediate use. Expiration date is one (1) year from date of opening. (Ship on dry ice.)
Host	Rabbit
Uniprot ID	Q8K0K3

### Technical Details

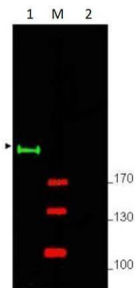
Immunogen	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to amino acids from an internal region of Mouse Gli-2.
Predicted Reactive Species	Chimpanzee
Isotype	IgG
Form	Liquid (sterile filtered)

Concentration	1.02 mg/mL by UV absorbance at 280 nm
Purification	This affinity purified antibody is directed against mouse Gli-2 protein. The product was affinity purified from monospecific antiserum by immunoaffinity chromatography. A BLAST analysis was used to suggest cross-reactivity with Gli-2 from mouse and rat sources based on 100% sequence homology with the immunogen. Reactivity with Gli-2 from other sources is not known.
Suggested Dilutions	ELISA: 1:15,000 - 1:60,000 IHC: 2 µg/ml to 20 µg/ml WB: 1:500 - 1:2,000 This antibody has been tested for use in ELISA, immunohistochemistry and western blot. Specific conditions for reactivity should be optimized by the end user. See figure legend for expectations by WB and IHC. Multiple splice variants have been reported for this protein.

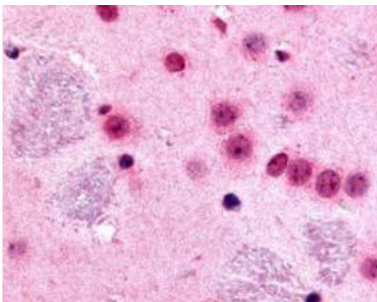
## Anti-Gli-2 Antibody (A00701) Images



Boster's Affinity Purified anti-mouse Gli-2 antibody was used at 10 µg/ml to evaluate staining on several mouse tissues. Moderate to strong staining was seen on many tissues, with low background staining. This image shows Gli-2 staining of mouse testis. Tissue was formalin-fixed and paraffin embedded.



Western blot using Boster's Affinity Purified anti-Gli-2 antibody shows detection of a predominant band at ~190 kDa corresponding to Gli-2 (arrowhead) in mouse brain whole cell lysate (lane 1). Pre-incubation of antibody with immunizing peptide completely blocks staining of this band (lane 2). Load 25µg 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. Other detection systems will yield similar results.



Boster's Affinity Purified anti-mouse Gli-2 antibody was used at 10 µg/ml to evaluate staining on several mouse tissues. Moderate to strong staining was seen on many tissues with low background staining. This image shows Gli-2 staining of mouse brain. Tissue was formalin-fixed and paraffin embedded.

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Anti-Gli-2 Antibody

For Research Use Only. Not for use in diagnostic procedures.