GLI2-Specific Polyclonal ANTIBODY
Catalog Number: 18989-1-AP

Basic Information
Catalog Number: 18989-1-AP
Size: 42 μg/150 μl
Source: Rabbit
Isotype: IgG
Purification Method: Antigen affinity purification

Recommended Dilutions:
WB: 1:500-1:1000
IHC: 1:50-1:500
IF: 1:10-1:100

Applications
Tested Applications: IF, IHC, WB, ELISA
Cited Applications: IF, IHC, WB
Species Specificity: human, mouse, rat
Cited Species: human, mouse

Note: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information
GLI2, also named as THP, belongs to the GLI C2H2-type zinc-finger protein family. GLI2 play a role during embryogenesis. It binds to the DNA sequence 5'-GAACCACCCA-3' which is part of the TRE-2S regulatory element that augments the Tax-dependent enhancer of human T-cell leukemia virus type 1. It is implicated in the transduction of SHH signal. Mutation of GLI2 will cause of holoprosencephaly type 9 (HPE9). Four possible isoforms (hGli2a, b, g, and d) are formed by combinations of two independent alternative splicings, and all the isoforms could bind to a DNA motif, TRE2S. hGli2a, b, g, and d. These isoforms encode 133-, 131-, 88-, and 86-kDa proteins, respectively.

Notable Publications
<table>
<thead>
<tr>
<th>Author</th>
<th>Pubmed ID</th>
<th>Journal</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pai Pang</td>
<td>26427674</td>
<td>Biochem Biophys Res Commun</td>
<td>IHC, IF</td>
</tr>
<tr>
<td>Dengdian Wang</td>
<td>28879814</td>
<td>Biochem Biophys Res Commun</td>
<td>WB</td>
</tr>
<tr>
<td>Kenichi Matsumoto</td>
<td>28861158</td>
<td>J Cell Biochem</td>
<td>WB, IHC</td>
</tr>
</tbody>
</table>

Storage
Storage: Store at -20°C. Stable for one year after shipment.
Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage.

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (toll free in USA), or (312) 405-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

For Research Use Only

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
Selected Validation Data

Immunohistochemistry of paraffin-embedded human kidney tissue slide using 18989-1-AP (GLI2-Specific antibody) at dilution of 1:200 (under 10x lens) heat mediated antigen retrieved with Tris-EDTA buffer(pH9).

HEK-293 cells were subjected to SDS PAGE followed by western blot with 18989-1-AP(GLI2-Specific antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.

Immunofluorescent analysis of Hela cells, using GLI antibody 18989-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).