Product datasheet

Anti-Gli2 antibody - ChIP Grade ab26056

Overview

<table>
<thead>
<tr>
<th>Product name</th>
<th>Anti-Gli2 antibody - ChIP Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Rabbit polyclonal to Gli2 - ChIP Grade</td>
</tr>
<tr>
<td>Host species</td>
<td>Rabbit</td>
</tr>
<tr>
<td>Specificity</td>
<td>Although some of our customers have had good results in Mouse (74% homology with the immunogen) and IHC, we do not batch test this antibody in this application and species. Due to the polyclonal nature of this antibody, some lots may work in Mouse and/or IHC but we cannot guarantee this.</td>
</tr>
</tbody>
</table>

Tested applications

Suitable for: WB, ICC/IF, ICC, EMSA, ChIP

Species reactivity

Reacts with: Human

Immunogen

Synthetic peptide corresponding to Human Gli2.
Sequence:
RNDVHLRTPLLKENGDSEAGTEPGPESSTQASVEDCLHVRAIKTE

Database link: [P10070](https://www.uniprot.org/uniprot/P10070) (Peptide available as [ab130900](https://www.abcam.com/))

Positive control

Jurkat cell lysate for Western blot, Human heart and human intestine tissue for Immunohistochemistry.

Properties

<table>
<thead>
<tr>
<th>Form</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage instructions</td>
<td>Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.</td>
</tr>
<tr>
<td>Storage buffer</td>
<td>Preservative: 0.09% Sodium azide Constituents: 2% Sucrose, PBS</td>
</tr>
<tr>
<td>Purity</td>
<td>Protein A purified</td>
</tr>
<tr>
<td>Clonality</td>
<td>Polyclonal</td>
</tr>
<tr>
<td>Isotype</td>
<td>IgG</td>
</tr>
</tbody>
</table>

12 Abreviews  48 References  1 Image
Function
Acts as a transcriptional activator. May play a role during embryogenesis. 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. Implicated in the transduction of SHH signal.

Involvement in disease
Defects in GLI2 are the cause of holoprosencephaly type 9 (HPE9) [MIM:610829]; also called pituitary anomalies with holoprosencephaly-like features. The primary features of this disease include defective anterior pituitary formation and pan-hypopituitarism, with or without overt forebrain cleavage abnormalities, and holoprosencephaly-like midfacial hypoplasia. Holoprosencephaly is the most common structural anomaly of the brain, in which the developing forebrain fails to correctly separate into right and left hemispheres. Holoprosencephaly is genetically heterogeneous and associated with several distinct facies and phenotypic variability.

Sequence similarities
Belongs to the GLIC2H2-type zinc-finger protein family. Contains 5 C2H2-type zinc fingers.

Post-translational modifications
Phosphorylated in vitro by ULK3.

Cellular localization
Nucleus.

Applications

Our Abpromise guarantee covers the use of ab26056 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>WB</td>
<td>★★★★★</td>
<td>Use a concentration of 1 - 4 µg/ml. Predicted molecular weight: 133 kDa. Can be blocked with Gli2 peptide (ab130900). Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.</td>
</tr>
<tr>
<td>ICC/IF</td>
<td>★★★★★</td>
<td>Use at an assay dependent concentration.</td>
</tr>
<tr>
<td>ICC</td>
<td>1/200</td>
<td>See Abreview</td>
</tr>
<tr>
<td>EMSA</td>
<td></td>
<td>Use a concentration of 1 µg/ml.</td>
</tr>
<tr>
<td>ChIP</td>
<td></td>
<td>Use at an assay dependent concentration.</td>
</tr>
</tbody>
</table>

Target
**Western blot** - Anti-Gli2 antibody - ChIP Grade (ab26056)

**All lanes:** Anti-Gli2 antibody - ChIP Grade (ab26056) at 3 µg/ml

**Lane 1:** A549 cell lysate

**Lane 2:** PANC1 cell lysate

**Predicted band size:** 133 kDa

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**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

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- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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