Product datasheet

Anti-Wnt1 antibody ab15251

★★★★★ 7 Abreviews  59 References  4 Images

Overview

Product name  Anti-Wnt1 antibody
Description  Rabbit polyclonal to Wnt1
Host species  Rabbit
Tested applications  Suitable for: ELISA, ICC/IF, IHC-P, IHC-Fr, WB
Species reactivity  Reacts with: Mouse, Human
Predicted to work with: Rat
Immunogen  Synthetic peptide within Human Wnt1 aa 50-150 (N terminal). The exact sequence is proprietary.
Database link: P04628
Positive control  Breast carcinoma. NIH/3T3 cell lysate.

Properties

Form  Liquid
Storage instructions  Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer  pH: 7.6
Preservative: 0.1% Sodium azide
Constituents: PBS, 1% BSA
Purity  Immunogen affinity purified
Clonality  Polyclonal
Isotype  IgG

Applications

Our Abpromise guarantee covers the use of ab15251 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>ELISA</td>
<td>★★★★☆</td>
<td>Use at an assay dependent concentration.</td>
</tr>
<tr>
<td>ICC/IF</td>
<td></td>
<td>Use a concentration of 1 µg/ml.</td>
</tr>
</tbody>
</table>
Function
Ligand for members of the frizzled family of seven transmembrane receptors. In some developmental processes, is also a ligand for the coreceptor RYK, thus triggering Wnt signaling. Probable developmental protein. May be a signaling molecule important in CNS development. Is likely to signal over only few cell diameters.

Sequence similarities
Belongs to the Wnt family.

Cellular localization
Secreted > extracellular space > extracellular matrix.

Target

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>IHC-P</td>
<td>⭐⭐⭐⭐⭐</td>
<td>1/100.</td>
</tr>
<tr>
<td>IHC-Fr</td>
<td>⭐⭐⭐⭐⭐</td>
<td>Use at an assay dependent concentration.</td>
</tr>
<tr>
<td>WB</td>
<td>⭐⭐⭐⭐⭐</td>
<td>Use at an assay dependent concentration. Predicted molecular weight: 41 kDa.</td>
</tr>
</tbody>
</table>

Images

**Western blot - Anti-Wnt1 antibody (ab15251)**

*Predicted band size: 41 kDa*

*Observed band size: 41 kDa*

**Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Wnt1 antibody (ab15251)**

ab15251 staining Wnt1 in breast carcinoma by Immunohistochemistry (FFPE-sections).
Immunocytochemistry/ Immunofluorescence - Anti-Wnt1 antibody (ab15251)

ICC/IF image of ab15251 stained mouse 3T3 cells. The cells were methanol fixed (5 min) and incubated with the antibody (ab15251, 1µg/ml) for 1h at room temperature. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Image-iT™ FX Signal Enhancer was used as the primary blocking agent, 5% BSA (in TBS-T) was used for all other blocking steps. DAPI was used to stain the cell nuclei (blue). Alexa Fluor® 594 WGA was used to label plasma membranes (red).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Wnt1 antibody (ab15251)

Breast carcinoma cells stained with ab15251 (Immunohistochemistry, paraffin sections);

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