Anti-Wnt1 antibody ab15251

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

**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: 7.40
Preservative: 0.1% Sodium azide
Constituents: 0.0268% 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.

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<th>Application</th>
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<tr>
<td>ELISA</td>
<td>★★★★☆</td>
<td>Use at an assay dependent concentration.</td>
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<tr>
<td>ICC/IF</td>
<td>★★★★★</td>
<td>Use a concentration of 1 µg/ml.</td>
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<tr>
<td>IHC-P</td>
<td>★★★★★</td>
<td>1/100.</td>
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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.

Images

Anti-Wnt1 antibody (ab15251) at 1/25 dilution + NIH3T3 cell lysate

Predicted band size: 41 kDa

Observed band size: 41 kDa

ab15251 staining Wnt1 in breast carcinoma by Immunohistochemistry (FFPE-sections).

Notes

Use at an assay dependent concentration.

Use at an assay dependent concentration. Predicted molecular weight: 41 kDa.
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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