## Overview

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<tr>
<th>Product name</th>
<th>Anti-Wnt3 and Wnt3a antibody [EPR4920(2)]</th>
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<tbody>
<tr>
<td>Description</td>
<td>Rabbit monoclonal [EPR4920(2)] to Wnt3 and Wnt3a</td>
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<td>Host species</td>
<td>Rabbit</td>
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<tr>
<td>Specificity</td>
<td>This antibody is specific for both Wnt3 and Wnt3a based on the fact that the immunogen sequence is 100% identical for both.</td>
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**Tested applications**
- **Suitable for:** WB
- **Unsuitable for:** ICC/IF, IHC-P or IP

**Species reactivity**
- **Reacts with:** Mouse, Rat, Human

**Immunogen**
- Synthetic peptide within Human Wnt3 and Wnt3a aa 150-250 (Cysteine residue). The exact sequence is proprietary. SwissProt: P56703 and P56704
- Database link: [P56704](#)

**Positive control**
- CHO cells transfected with Human Wnt3a.

**General notes**
- This antibody was developed as part of a collaboration with Karl Willert's lab from the University of California at San Diego.
- Our RabMAB® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMab® patents](#).
- This product is a recombinant rabbit monoclonal antibody.

## Properties

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| Storage buffer              | pH: 7.2
- Preservative: 0.01% Sodium azide
- Constituents: 50% Glycerol, 0.05% BSA, 49% PBS |
| Purity                      | Tissue culture supernatant |
| Clonality                   | Monoclonal |
| Clone number                | EPR4920(2) |
**Isotype**

IgG

**Applications**

Our Abpromise guarantee covers the use of ab172612 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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**Application notes**

Is unsuitable for ICC/IF, IHC-P or IP.

**Target**

**Relevance**

Proto-oncogene Wnt-3: Ligand for members of the frizzled family of seven transmembrane receptors. Wnt-3 and Wnt-3a play distinct roles in cell-cell signaling during morphogenesis of the developing neural tube. Protein Wnt-3a: Ligand for members of the frizzled family of seven transmembrane receptors. Wnt-3 and Wnt-3a play distinct roles in cell-cell signaling during morphogenesis of the developing neural tube.

**Images**

**All lanes**: Anti-Wnt3 and Wnt3a antibody [EPR4920(2)] (ab172612) at 1/10000 dilution

**Lane 1**: CHO cell lysate, non-transfected  
**Lane 2**: CHO cell lysate, transfected with Human Wnt3a

Lysates/proteins at 10 µg per lane.

**Predicted band size**: 39 kDa

**Western blot - Anti-Wnt3 and Wnt3a antibody**

[EPR4920(2)] (ab172612)

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

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