### Overview

**Product name**  
Anti-Wnt3 and Wnt3a antibody [EPR4920(2)]

**Description**  
Rabbit monoclonal [EPR4920(2)] to Wnt3 and Wnt3a

**Host species**  
Rabbit

**Specificity**  
This antibody is specific for both Wnt3 and Wnt3a based on the fact that the immunogen sequence is 100% identical for both.

**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.

We are constantly working hard to ensure we provide our customers with best in class antibodies. As a result of this work we are pleased to now offer this antibody in purified format. We are in the process of updating our datasheets. The purified format is designated 'PUR' on our product labels. If you have any questions regarding this update, please contact our Scientific Support team.

This product is a recombinant rabbit monoclonal antibody.

### Properties

**Form**  
Liquid

**Storage instructions**  

**Storage buffer**  
- pH: 7.20  
- Preservative: 0.01% Sodium azide
Constituents: 9% PBS, 40% Glycerol, 0.05% BSA, 50% Tissue culture supernatant

Purity
Protein A purified

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

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