

**Wnt-4 Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ABV10423****Specification**

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**Wnt-4 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P56705</a>
Other Accession	<a href="#">BAC23080</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	39052

**Wnt-4 Antibody - Additional Information****Gene ID** 54361**Application & Usage**

Western blotting (1-4 µg/ml). However, the optimal concentrations should be determined individually. Jurkat cell lysate can be used as a positive controls. The antibody recognizes 39 kDa Wnt-4 of human, mouse and rat origins. Reactivity to other species has not been tested.

**Other Names**

OTTHUMP00000044725 , WNT-4 , WNT-4 protein , WNT4

**Target/Specificity**

Wnt-4

**Antibody Form**

Liquid

**Appearance**

Colorless liquid

**Formulation**

100 µg (0.5 mg/ml) affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.

**Handling**

The antibody solution should be gently mixed before use.

**Reconstitution & Storage**

-20 °C

**Background Descriptions**

**Precautions**

Wnt-4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Wnt-4 Antibody - Protein Information****Name** WNT4**Function**

Ligand for members of the frizzled family of seven transmembrane receptors (Probable). Plays an important role in the embryonic development of the urogenital tract and the lung (PubMed:<a href="http://www.uniprot.org/citations/15317892" target="\_blank">15317892</a>, PubMed:<a href="http://www.uniprot.org/citations/16959810" target="\_blank">16959810</a>, PubMed:<a href="http://www.uniprot.org/citations/18179883" target="\_blank">18179883</a>, PubMed:<a href="http://www.uniprot.org/citations/18182450" target="\_blank">18182450</a>). Required for normal mesenchyme to epithelium transition during embryonic kidney development. Required for the formation of early epithelial renal vesicles during kidney development (By similarity). Required for normal formation of the Mullerian duct in females, and normal levels of oocytes in the ovaries (PubMed:<a href="http://www.uniprot.org/citations/15317892" target="\_blank">15317892</a>, PubMed:<a href="http://www.uniprot.org/citations/16959810" target="\_blank">16959810</a>, PubMed:<a href="http://www.uniprot.org/citations/18182450" target="\_blank">18182450</a>). Required for normal down-regulation of 3 beta-hydroxysteroid dehydrogenase in the ovary (PubMed:<a href="http://www.uniprot.org/citations/15317892" target="\_blank">15317892</a>, PubMed:<a href="http://www.uniprot.org/citations/16959810" target="\_blank">16959810</a>, PubMed:<a href="http://www.uniprot.org/citations/18182450" target="\_blank">18182450</a>). Required for normal lung development and for normal patterning of tracheal cartilage rings (By similarity).

**Cellular Location**

Secreted, extracellular space, extracellular matrix

**Wnt-4 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Wnt-4 Antibody - Images****Wnt-4 Antibody - Background**

Wnt gene family members, including Wnt-1 through Wnt-10, play a key role in regulating cellular growth and differentiation. Wnt-1 is a cysteine-rich, secreted glycoprotein that associates with cell membranes and likely functions as a key regulator of cellular adhesion. Wnt-3 is also involved in tumorigenesis and Wnt-2 and Wnt-4 may be associated with abnormal proliferation in human breast tissue.