

**WNT4 Antibody**  
**Purified Mouse Monoclonal Antibody (Mab)**  
**Catalog # AM8563b****Specification**

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**WNT4 Antibody - Product Information**

Application	WB,E
Primary Accession	<a href="#">P56705</a>
Reactivity	Human, Mouse
Host	Mouse
Clonality	monoclonal
Isotype	IgG1,k

**WNT4 Antibody - Additional Information****Gene ID** 54361**Other Names**

Protein Wnt-4, WNT4

**Target/Specificity**

This WNT4 antibody is generated from a mouse immunized with a recombinant protein between 30-351 amino acids from human WNT4.

**Dilution**

WB~~1:4000

E~~Use at an assay dependent concentration.

**Format**

Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

WNT4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**WNT4 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:[15317892](#), PubMed:[16959810](#), PubMed:[18179883](#), PubMed:[18182450](#)). 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:[15317892](#), PubMed:[16959810](#), PubMed:[18182450](#)). Required for normal down-regulation of 3 beta-hydroxysteroid dehydrogenase in the ovary (PubMed:[15317892](#), PubMed:[16959810](#), PubMed:[18182450](#)). Required for normal lung development and for normal patterning of tracheal cartilage rings (By similarity).

#### Cellular Location

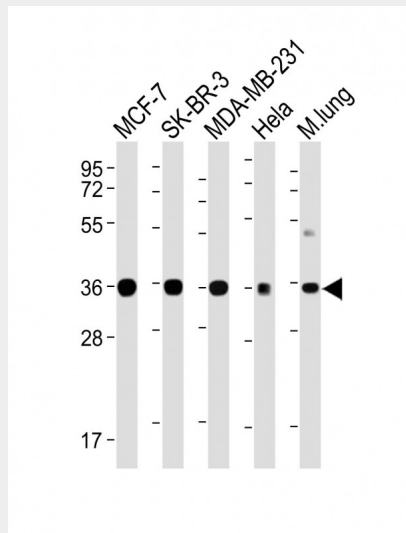
Secreted, extracellular space, extracellular matrix

### WNT4 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](#)

### WNT4 Antibody - Images



All lanes : Anti-WNT4 Antibody at 1:4000 dilution Lane 1: MCF-7 whole cell lysate Lane 2: SK-BR-3 whole cell lysate Lane 3: MDA-MB-231 whole cell lysate Lane 4: Hela whole cell lysate Lane 5: Mouse lung lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 39 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

### WNT4 Antibody - Background

Ligand for members of the frizzled family of seven transmembrane receptors. Probable developmental protein. May be a signaling molecule which affects the development of discrete regions of tissues. Is likely to signal over only few cell diameters (By similarity). Overexpression may be associated with abnormal proliferation in human breast tissue.

**WNT4 Antibody - References**

Testa T.T.,et al.Submitted (AUG-2000) to the EMBL/GenBank/DDBJ databases.  
Jordan B.K.,et al.Am. J. Hum. Genet. 68:1102-1109(2001).  
Clark H.F.,et al.Genome Res. 13:2265-2270(2003).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Kalnine N.,et al.Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases.