

WNT4 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP6683b**Specification**

WNT4 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [P56705](#)**WNT4 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 54361**Other Names**

Protein Wnt-4, WNT4

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6683b](/products/AP6683b) was selected from the C-term region of human WNT4. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

WNT4 Antibody (C-term) Blocking Peptide - 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](http://www.uniprot.org/citations/15317892), PubMed: [16959810](http://www.uniprot.org/citations/16959810), PubMed: [18179883](http://www.uniprot.org/citations/18179883), PubMed: [18182450](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/15317892), PubMed: [16959810](http://www.uniprot.org/citations/16959810), PubMed: [18182450](http://www.uniprot.org/citations/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 (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

WNT4 Antibody (C-term) Blocking Peptide - Images**WNT4 Antibody (C-term) Blocking Peptide - Background**

The WNT family consists of secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. WNT4 is a protein which shows 98% amino acid identity to the Wnt4 protein of mouse and rat. It plays a concerted role in both the control of female development and the prevention of testes formation.

WNT4 Antibody (C-term) Blocking Peptide - References

Kuulasmaa, T., Horm. Metab. Res. 40 (10), 668-673 (2008) Miyakoshi, T., Endocr. Pathol. 19 (4), 261-273 (2008)