10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

WNT4 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP6683c

Specification

WNT4 Antibody (Center) Blocking Peptide - Product Information

Primary Accession P56705

WNT4 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 54361

Other Names
Protein Wnt-4, WNT4

Target/Specificity
The synthetic peptide sequence used to generate the antibody <a >AP6683c was selected from the Center 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 (Center) 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, 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 trachael cartilage rings (By similarity).

Cellular Location
Secreted, extracellular space, extracellular matrix

WNT4 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

WNT4 Antibody (Center) Blocking Peptide - Images

WNT4 Antibody (Center) 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 play a concerted role in both the control of female development and the prevention of testes formation.

WNT4 Antibody (Center) Blocking Peptide - References

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