

WNT3 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP14130c**Specification**

WNT3 Antibody (Center) Blocking peptide - Product InformationPrimary Accession [P56703](#)**WNT3 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 7473**Other Names**

Proto-oncogene Wnt-3, Proto-oncogene Int-4 homolog, WNT3, INT4

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP14130c was selected from the Center region of WNT3. 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.

WNT3 Antibody (Center) Blocking peptide - Protein Information**Name** WNT3**Synonyms** INT4**Function**

Ligand for members of the frizzled family of seven transmembrane receptors (Probable). Functions in the canonical Wnt signaling pathway that results in activation of transcription factors of the TCF/LEF family (PubMed:26902720). Required for normal gastrulation, formation of the primitive streak, and for the formation of the mesoderm during early embryogenesis. Required for normal formation of the apical ectodermal ridge (By similarity). Required for normal embryonic development, and especially for limb development (PubMed:14872406).

Cellular Location

Secreted, extracellular space, extracellular matrix. Secreted

WNT3 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

WNT3 Antibody (Center) Blocking peptide - Images

WNT3 Antibody (Center) Blocking peptide - Background

The WNT gene family consists of structurally related genes which encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. This gene is a member of the WNT gene family. It encodes a protein which shows 98% amino acid identity to mouse Wnt3 protein, and 84% to human WNT3A protein, another WNT gene product. The mouse studies show the requirement of Wnt3 in primary axis formation in the mouse. Studies of the gene expression suggest that this gene may play a key role in some cases of human breast, rectal, lung, and gastric cancer through activation of the WNT-beta-catenin-TCF signaling pathway. This gene is clustered with WNT15, another family member, in the chromosome 17q21 region.

WNT3 Antibody (Center) Blocking peptide - References

Nikopensius, T., et al. Birth Defects Res. Part A Clin. Mol. Teratol. 88(9):748-756(2010) Yoshida, T., et al. Int. J. Mol. Med. 25(4):649-656(2010) Dubois, P.C., et al. Nat. Genet. 42(4):295-302(2010) Oguri, M., et al. Am. J. Hypertens. 23(1):70-77(2010) Memarian, A., et al. Leuk. Lymphoma 50(12):2061-2070(2009)