

WNT10A Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP12153c**Specification**

WNT10A Antibody (Center) Blocking peptide - Product InformationPrimary Accession [Q9GZT5](#)**WNT10A Antibody (Center) Blocking peptide - Additional Information****Gene ID** 80326**Other Names**

Protein Wnt-10a, WNT10A

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.

WNT10A Antibody (Center) Blocking peptide - Protein Information**Name** WNT10A**Function**

Ligand for members of the frizzled family of seven transmembrane receptors (Probable). Functions in the canonical Wnt/beta-catenin signaling pathway (By similarity). Plays a role in normal ectoderm development (PubMed:17847007, PubMed:28589954). Required for normal tooth development (PubMed:17847007, PubMed:29178643, PubMed:28589954). Required for normal postnatal development and maintenance of tongue papillae and sweat ducts (PubMed:28589954). Required for normal proliferation of basal cells in tongue filiform papillae, plantar epithelium and sweat ducts. Required for normal expression of keratins in tongue papillae (By similarity). Required for normal expression of KRT9 in foot plant epithelium (PubMed:28589954). Required for normal hair follicle function (PubMed:28589954).

Cellular Location

Secreted, extracellular space, extracellular matrix. Secreted

WNT10A Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

WNT10A Antibody (Center) Blocking peptide - Images

WNT10A 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 is strongly expressed in the cell lines of promyelocytic leukemia and Burkitt's lymphoma. In addition, it and another family member, the WNT6 gene, are strongly coexpressed in colorectal cancer cell lines. The gene overexpression may play key roles in carcinogenesis through activation of the WNT-beta-catenin-TCF signaling pathway. This gene and the WNT6 gene are clustered in the chromosome 2q35 region.

WNT10A Antibody (Center) Blocking peptide - References

Eriksson, N., et al. PLoS Genet. 6 (6), E1000993 (2010) ; Memarian, A., et al. Leuk. Lymphoma 50(12):2061-2070(2009) Nawaz, S., et al. Eur. J. Hum. Genet. 17(12):1600-1605(2009) Medland, S.E., et al. Am. J. Hum. Genet. 85(5):750-755(2009) Bohring, A., et al. Am. J. Hum. Genet. 85(1):97-105(2009)