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WNT10A Antibody (Center) Blocking peptide

Synthetic peptide
Catalog # BP12153c

Specification

WNT10A Antibody (Center) Blocking peptide - Product Information

Primary 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 geneswhich encode secreted signaling proteins. These proteins have beenimplicated in oncogenesis and in several developmental processes,including regulation of cell fate and patterning duringembryogenesis. This gene is a member of the WNT gene family. It isstrongly expressed in the cell lines of promyelocytic leukemia andBurkitt's lymphoma. In addition, it and another family member, theWNT6 gene, are strongly coexpressed in colorectal cancer celllines. The gene overexpression may play key roles in carcinogenesisthrough activation of the WNT-beta-catenin-TCF signaling pathway.This gene and the WNT6 gene are clustered in the chromosome 2q35region.

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)