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WNT6 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP16552c

Specification

WNT6 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q9Y6F9

WNT6 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 7475

Other Names
Protein Wnt-6, WNT6

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.

WNT6 Antibody (Center) Blocking Peptide - Protein Information

Name WNT6

Function
Ligand for members of the frizzled family of seven transmembrane receptors. Probable developmental protein. May be a signaling molecule which affects the development of discrete regions of tissues. Is likely to signal over only few cell diameters. Together with CAV1 may promote chemoresistance of gastric cancer cells to DNA- damaging anthracycline drugs through the activation of the canonical Wnt receptor signaling pathway.

Cellular Location
Secreted, extracellular space, extracellular matrix

Tissue Location
Expressed in gastric cancer cell lines and gastric cancer tissues (at protein level). Detected in the apical gland region of the gastric foveolar epithelium (at protein level)

WNT6 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

WNT6 Antibody (Center) Blocking Peptide - Images

WNT6 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 isoverexpressed in cervical cancer cell line and strongly coexpressedwith another family member, WNT10A, in colorectal cancer cell line.The gene overexpression may play key roles in carcinogenesis. Thisgene and the WNT10A gene are clustered in the chromosome 2q35region. The protein encoded by this gene is 97% identical to themouse Wnt6 protein at the amino acid level.

WNT6 Antibody (Center) Blocking Peptide - References

Wang, C., et al. J Endod 36(2):238-243(2010)Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) :Adaimy, L., et al. Am. J. Hum. Genet. 81(4):821-828(2007)Beaty, T.H., et al. Hum. Genet. 120(4):501-518(2006)Fokina, V.M., et al. Dev. Dyn. 235(2):496-505(2006)