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

WNT9A Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP12394c

Specification

WNT9A Antibody (Center) Blocking peptide - Product Information

Primary Accession O14904

WNT9A Antibody (Center) Blocking peptide - Additional Information

Gene ID 7483

Other Names
Protein Wnt-9a, Protein Wnt-14, WNT9A, WNT14

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.

WNT9A Antibody (Center) Blocking peptide - Protein Information

Name WNT9A

Synonyms WNT14

Function
Ligand for members of the frizzled family of seven transmembrane receptors. Functions in the canonical Wnt/beta-catenin signaling pathway. Required for normal timing of IHH expression during embryonic bone development, normal chondrocyte maturation and for normal bone mineralization during embryonic bone development. Plays a redundant role in maintaining joint integrity.

Cellular Location
Secreted, extracellular space, extracellular matrix. Secreted

WNT9A Antibody (Center) Blocking peptide - Protocols

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

- Blocking Peptides

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WNT9A Antibody (Center) Blocking peptide - Images

WNT9A Antibody (Center) Blocking peptide - Background

The WNT gene family consists of structurally related genesthat 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 isexpressed in gastric cancer cell lines. The protein encoded by thisgene shows 75% amino acid identity to chicken Wnt14, which has beenshown to play a central role in initiating synovial joint formationin the chick limb. This gene is clustered with another familymember, WNT3A, in the chromosome 1q42 region.

WNT9A Antibody (Center) Blocking peptide - References

Lee, D.Y., et al. Menopause 17(5):1064-1070(2010)Memarian, A., et al. Leuk. Lymphoma 50(12):2061-2070(2009)Yerges, L.M., et al. J. Bone Miner. Res. 24(12):2039-2049(2009)Xiang, Y., et al. Mol. Biol. Rep. 35(2):73-79(2008)Bhattacharyya, S., et al. Dig. Dis. Sci. 52(10):2766-2774(2007)