

**WNT3A Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP14596c****Specification**

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**WNT3A Antibody (Center) Blocking Peptide - Product Information**Primary Accession [P56704](#)**WNT3A Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 89780**Other Names**

Protein Wnt-3a, WNT3A

**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.

**WNT3A Antibody (Center) Blocking Peptide - Protein Information****Name** WNT3A**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:<a href="http://www.uniprot.org/citations/20093360" target="\_blank">20093360</a>, PubMed:<a href="http://www.uniprot.org/citations/21244856" target="\_blank">21244856</a>, PubMed:<a href="http://www.uniprot.org/citations/24841207" target="\_blank">24841207</a>, PubMed:<a href="http://www.uniprot.org/citations/26902720" target="\_blank">26902720</a>). Required for normal embryonic mesoderm development and formation of caudal somites. Required for normal morphogenesis of the developing neural tube (By similarity). Mediates self-renewal of the stem cells at the bottom of intestinal crypts (in vitro) (PubMed:<a href="http://www.uniprot.org/citations/26902720" target="\_blank">26902720</a>).

**Cellular Location**

Secreted, extracellular space, extracellular matrix {ECO:0000250|UniProtKB:P27467}. Secreted

**Tissue Location**

Moderately expressed in placenta and at low levels in adult lung, spleen, and prostate.

## **WNT3A Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **WNT3A Antibody (Center) Blocking Peptide - Images**

## **WNT3A 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 96% amino acid identity to mouse Wnt3A protein, and 84% to human WNT3 protein, another WNT gene product. This gene is clustered with WNT14 gene, another family member, in chromosome 1q42 region.

## **WNT3A Antibody (Center) Blocking Peptide - References**

Sengupta, P.K., et al. J. Biol. Chem. 285(41):31164-31173(2010) Hubner, R., et al. Biochem. Biophys. Res. Commun. 400(3):358-362(2010) von Marschall, Z., et al. Biochem. Biophys. Res. Commun. 400(3):299-304(2010) Shin, H., et al. J. Dermatol. Sci. 58(2):91-96(2010) Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) :