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

WNT3 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP14130c

Specification

WNT3 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	P56703
Other Accession	P17553, P31285, P27467, P56704, Q2LMP1, NP_110380.1
Reactivity	**Human**
Predicted	**Chicken, Mouse, Xenopus**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**39645**
Antigen Region	**155-184**

WNT3 Antibody (Center) - Additional Information

Gene ID 7473

Other Names
Proto-oncogene Wnt-3, Proto-oncogene Int-4 homolog, WNT3, INT4

Target/Specificity
This WNT3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 155-184 amino acids from the Central region of human WNT3.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
WNT3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

WNT3 Antibody (Center) - Protein Information

Name WNT3

Synonyms INT4

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:26902720). Required for normal gastrulation, formation of the primitive streak, and for the formation of the mesoderm during early embryogenesis. Required for normal formation of the apical ectodermal ridge (By similarity). Required for normal embryonic development, and especially for limb development (PubMed:14872406).

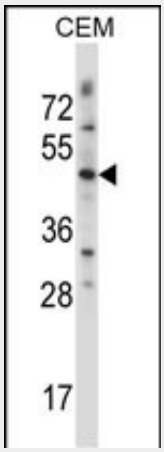
Cellular Location
Secreted, extracellular space, extracellular matrix. Secreted

WNT3 Antibody (Center) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

WNT3 Antibody (Center) - Images



WNT3 Antibody (Center) (Cat. #AP14130c) western blot analysis in CEM cell line lysates (35ug/lane).This demonstrates the WNT3 antibody detected the WNT3 protein (arrow).

WNT3 Antibody (Center) - 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 98% amino acid identity to mouse Wnt3 protein, and 84% to human WNT3A protein, another WNT gene product. The mouse studies show the requirement of Wnt3 in primary axis

formation in the mouse. Studies of the gene expression suggest that this gene may play a key role in some cases of human breast, rectal, lung, and gastric cancer through activation of the WNT-beta-catenin-TCF signaling pathway. This gene is clustered with WNT15, another family member, in the chromosome 17q21 region.

WNT3 Antibody (Center) - References

Nikopensius, T., et al. Birth Defects Res. Part A Clin. Mol. Teratol. 88(9):748-756(2010)
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Memarian, A., et al. Leuk. Lymphoma 50(12):2061-2070(2009)