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# WNT9A Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12394c

## Product Information

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|---|---|
| **Application** | WB, E |
| **Primary Accession** | O14904 |
| **Other Accession** | Q8R5M2, NP_003386.1 |
| **Reactivity** | Human |
| **Predicted** | Mouse, Rat, Bovine, Canine, Rabbit |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB31360 |
| **Calculated MW** | 40320 |
| **Antigen Region** | 216-244 |

## Additional Information

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|---|---|
| **Gene ID** | 7483 |
| **Other Names** | Protein Wnt-9a, Protein Wnt-14, WNT9A, WNT14 |
| **Target/Specificity** | This WNT9A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 216-244 amino acids from the Central region of human WNT9A. |
| **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** | WNT9A Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **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

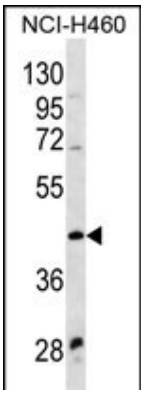
## Background

The WNT gene family consists of structurally related genes that 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 is expressed in gastric cancer cell lines. The protein encoded by this gene shows 75% amino acid identity to chicken Wnt14, which has been shown to play a central role in initiating synovial joint formation in the chick limb. This gene is clustered with another family member, WNT3A, in the chromosome 1q42 region.

## References

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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)

## Images




WNT9A Antibody (Center) (Cat. #AP12394c) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the WNT9A antibody detected the WNT9A protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.