

**Anti-Wnt1 Picoband Antibody**  
Catalog # ABO12149**Specification**

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**Anti-Wnt1 Picoband Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P04628</a>
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Proto-oncogene Wnt-1(WNT1) detection. Tested with WB in Human.

**Reconstitution**

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

**Anti-Wnt1 Picoband Antibody - Additional Information**

**Gene ID** 7471

**Other Names**

Proto-oncogene Wnt-1, Proto-oncogene Int-1 homolog, WNT1, INT1

**Calculated MW**

40982 MW KDa

**Application Details**

Western blot, 0.1-0.5 µg/ml, Human<br>

**Subcellular Localization**

Secreted, extracellular space, extracellular matrix.

**Protein Name**

Proto-oncogene Wnt-1

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Na<sub>3</sub>.

**Immunogen**

A synthetic peptide corresponding to a sequence at the N-terminus of human Wnt1 (45-74aa NLLTDSKSLQLVLEPSLQLLSRKQRRLIRQ), identical to the related mouse and rat sequences.

**Purification**

Immunogen affinity purified.

**Cross Reactivity**

No cross reactivity with other proteins

**Storage**

**At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.**

**Sequence Similarities**

Belongs to the Wnt family.

**Anti-Wnt1 Picoband Antibody - Protein Information**

**Name** WNT1

**Synonyms** INT1

**Function**

Ligand for members of the frizzled family of seven transmembrane receptors (Probable). Acts in the canonical Wnt signaling pathway by promoting beta-catenin-dependent transcriptional activation (PubMed: [23499309](http://www.uniprot.org/citations/23499309)), PubMed: [23656646](http://www.uniprot.org/citations/23656646)), PubMed: [26902720](http://www.uniprot.org/citations/26902720)), PubMed: [28528193](http://www.uniprot.org/citations/28528193)). In some developmental processes, is also a ligand for the coreceptor RYK, thus triggering Wnt signaling (By similarity). Plays an essential role in the development of the embryonic brain and central nervous system (CNS) (By similarity). Has a role in osteoblast function, bone development and bone homeostasis (PubMed: [23499309](http://www.uniprot.org/citations/23499309)), PubMed: [23656646](http://www.uniprot.org/citations/23656646)).

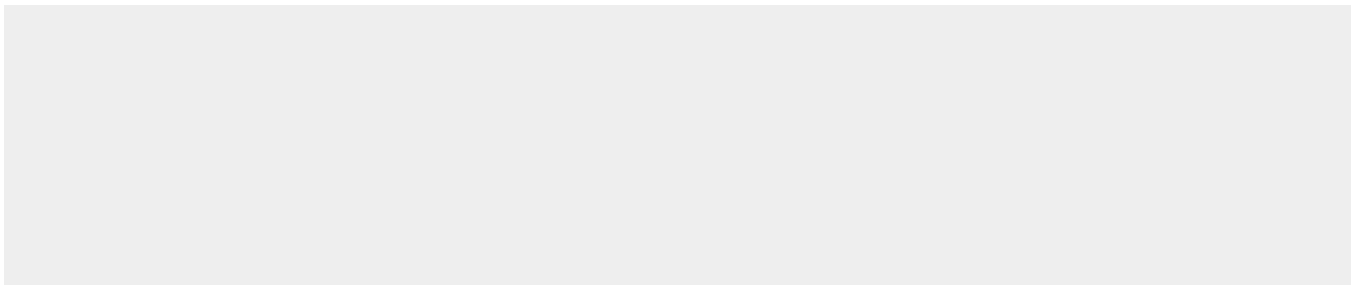
**Cellular Location**

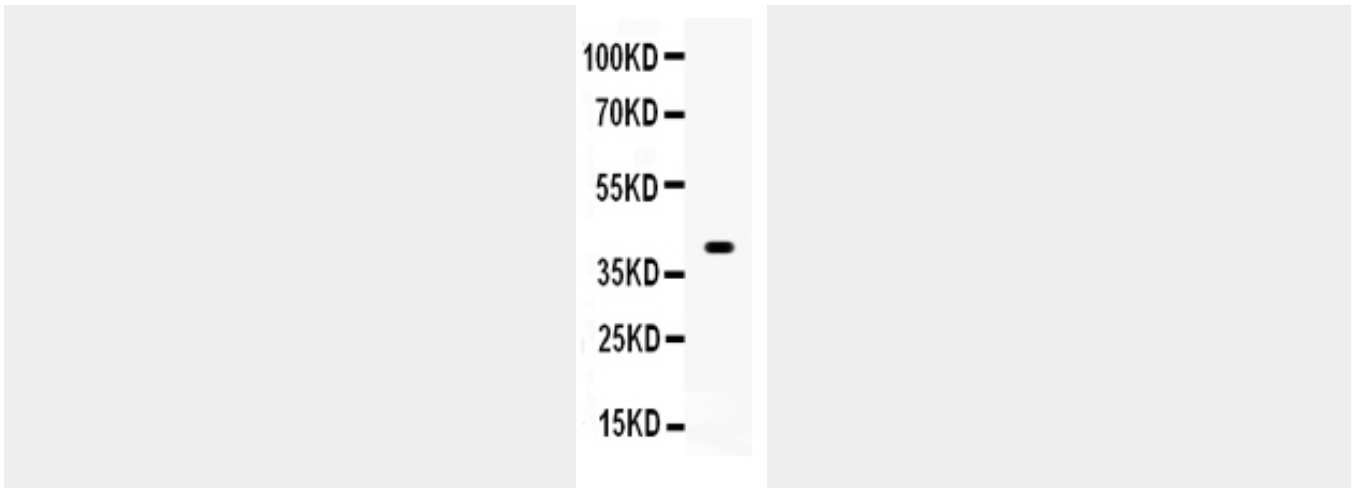
Secreted, extracellular space, extracellular matrix. Secreted

**Anti-Wnt1 Picoband Antibody - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-Wnt1 Picoband Antibody - Images**



Anti- WNT1 Picoband antibody, ABO12149, Western blotting All lanes: Anti WNT1 (ABO12149) at 0.5ug/ml WB: COLO320 Whole Cell Lysate at 40ug Predicted bind size: 41KD Observed bind size: 41KD

#### **Anti-Wnt1 Picoband Antibody - Background**

Wingless-type MMIV integration site family, member 1 is a protein that in humans is encoded by the WNT1 gene. This gene is a member of the WNT gene family. The gene was assigned to human chromosome 12q13.12. The WNT gene family consists of structurally related genes that encode secreted signaling proteins. The Wnt1 protein functions in the induction of the mesencephalon and cerebellum. However, the gene mutations might not have a significant role in Joubert syndrome.