

**WNT1 Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP51612****Specification**

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**WNT1 Antibody - Product Information**

Application	WB, ICC, IHC-P, E
Primary Accession	<a href="#">P04628</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41 KDa

**WNT1 Antibody - Additional Information****Gene ID** 7471**Other Names**

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

**Format**

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**WNT1 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

## **WNT1 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](#)

## **WNT1 Antibody - Images**

### **WNT1 Antibody - Background**

Ligand for members of the frizzled family of seven transmembrane receptors. In some developmental processes, is also a ligand for the coreceptor RYK, thus triggering Wnt signaling. Probable developmental protein. May be a signaling molecule important in CNS development. Is likely to signal over only few cell diameters. Has a role in osteoblast function and bone development.

### **WNT1 Antibody - References**

van Ooyen A., et al. EMBO J. 4:2905-2909(1985).  
Kalnine N., et al. Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases.  
Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.  
Doubravskaya L., et al. Cell. Signal. 23:837-848(2011).  
Keupp K., et al. Am. J. Hum. Genet. 92:565-574(2013).