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WNT1 Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51612

Product Information

Application	WB, ICC, IHC-P
Primary Accession	P04628
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40982

Additional Information

Gene ID	7471
Other Names	Proto-oncogene Wnt-1, Proto-oncogene Int-1 homolog, WNT1, INT1
Dilution	WB~~1:1000 ICC~~N/A IHC-P~~N/A
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

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, PubMed:23656646, PubMed:26902720, PubMed: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, PubMed:23656646).
Cellular Location	Secreted, extracellular space, extracellular matrix. Secreted

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.

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.
Doubravska L.,et al.Cell. Signal. 23:837-848(2011).
Keupp K.,et al.Am. J. Hum. Genet. 92:565-574(2013).

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