

# WNT1 Polyclonal Antibody

Catalog Number **PA5-34312**

**Product data sheet**

Details		Species Reactivity	
Size	50 µg	Species reactivity	Bovine, Horse, Hamster, Human, Mouse, Non-human primate, Pig, Rabbit, Rat
Host/Isotope	Rabbit / IgG		
Class	Polyclonal	Tested Applications	Dilution *
Type	Antibody		
Immunogen	Synthetic 16 amino acid peptide from internal region of human WNT1.	Immunohistochemistry (Paraffin) (IHC (P))	5 µg/mL
Conjugate	Unconjugated	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Form	Liquid		
Concentration	1 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	PBS		
Contains	0.1% sodium azide		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

## Product specific information

Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Mouse, Rat, Hamster, Elephant, Panda, Bovine, Dog, Bat, Horse, Rabbit, Pig (100%).

## Background/Target Information

Wnt proteins constitute a family of secreted glycoproteins that activate signal transduction pathways to mediate tissue homeostasis, cell fate, cell proliferation, and self-renewal. The canonical signaling pathway is initiated upon Wnt binding to a Frizzled family receptor and an LRP5/LRP6 coreceptor, which leads to activation of the beta-catenin cascade. Non-canonical Wnt signals are activated by binding to a Frizzled family receptor and ROR2 coreceptor. Extensive research has shown that deregulation of these pathways or its components can lead to cancer. Human Wnt-1 is encoded as a 370 amino acid precursor that, upon secretion, is cleaved into a 343 amino acid (42 kDa) mature form. At the amino acid level, mature human Wnt-1 is approximately 99% identical to mature mouse Wnt-1. Depending on the tissue, Wnt-1 can activate the canonical and non-canonical signaling pathways. Studies have demonstrated its involvement in a variety of functions, including embryonic development and carcinogenesis. Wnt-1 signaling can also induce the phosphorylation and subsequent degradation of c-Myb.

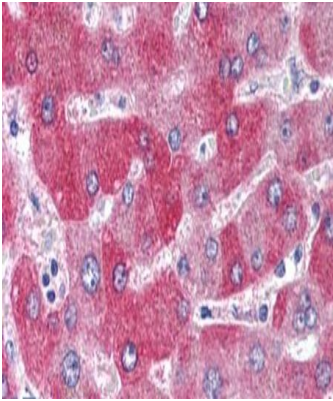
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Product Images For WNT1 Polyclonal Antibody



**WNT1 Antibody (PA5-34312) in IHC (P)**  
Immunohistochemical analysis of formalin-fixed paraffin-embedded human liver using a WNT1 polyclonal antibody (Product # PA5-34312). Heat-induced antigen retrieval was performed prior to staining.

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