

WNT4 Polyclonal Antibody

Catalog NumberPA5-34323

Product data sheet

Details		Species Reactivity	
Size	50 µg	Species reactivity	Dog, Horse, Hamster, Human, Mouse, Non-human primate, Pig, Rat
Host/Isotope	Rabbit / IgG		
Class	Polyclonal	Tested Applications	Dilution *
Type	Antibody	Immunohistochemistry (Paraffin) (IHC (P))	10 µg/mL
Immunogen	Synthetic 14 amino acid peptide from internal region of human WNT4.	* 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.	
Conjugate	Unconjugated		
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, Monkey, Marmoset, Mouse, Rat, Hamster, Elephant, Panda, Bovine, Dog, Horse, Pig (100%) Opossum (86%).

Background/Target Information

The WNT gene family consists of structurally related genes which 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, and is the first signaling molecule shown to influence the sex-determination cascade. It encodes a protein which shows 98% amino acid identity to the Wnt4 protein of mouse and rat. This gene and a nuclear receptor known to antagonize the testis-determining factor play a concerted role in both the control of female development and the prevention of testes formation. This gene and another two family members, WNT2 and WNT7B, may be associated with abnormal proliferation in breast tissue. Mutations in this gene can result in Rokitansky-Kuster-Hauser syndrome and in SERKAL syndrome.

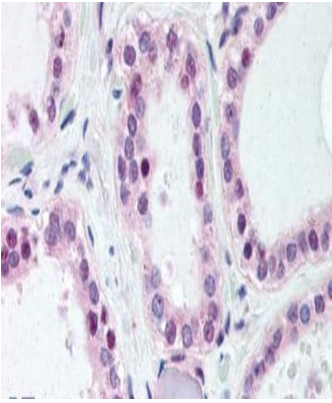
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Product Images For WNT4 Polyclonal Antibody



WNT4 Antibody (PA5-34323) in IHC (P)
Immunohistochemical analysis of formalin-fixed paraffin-embedded human thyroid using a WNT4 polyclonal antibody (Product # PA5-34323). Heat-induced antigen retrieval was performed prior to staining.

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