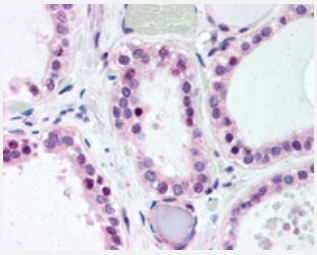
WNT4 polyclonal antibody

Catalog # PAB28375 Size 50 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) of human thyroid with WNT4 polyclonal antibody (Cat # PAB28375). Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of WNT4.
Immunogen	A synthetic peptide corresponding to 14 amino acids at internal region of human WNT4.
Host	Rabbit
Reactivity	Bovine, Dog, Hamster, Horse, Human, Monkey, Mouse, Pig, Rat
Specificity	BLAST analysis of the peptide immunogen showed no homology with other human proteins, except WNT5A (71%).
Form	Liquid
Purification	Immunoaffinity chromatography
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (10 ug/ml) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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Gene Info — WNT4

Entrez GeneID	54361
Protein Accession#	P56705
Gene Name	WNT4
Gene Alias	SERKAL, WNT-4
Gene Description	wingless-type MMTV integration site family, member 4
Omim ID	277000 603490
Gene Ontology	Hyperlink
Gene Summary	The WNT gene family consists of structurally related genes which encode secreted signaling prot eins. These proteins have been implicated in oncogenesis and in several developmental process es, 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-determinati on cascade. It encodes a protein which shows 98% amino acid identity to the Wnt4 protein of mo use and rat. This gene and a nuclear receptor known to antagonize the testis-determining factor pl ay a concerted role in both the control of female development and the prevention of testes formati on. This gene and another two family members, WNT2 and WNT7B, may be associated with abn ormal proliferation in breast tissue. Mutations in this gene can result in Rokitansky-Kuster-Hauser syndrome and in SERKAL syndrome. [provided by RefSeq
Other Designations	OTTHUMP00000002937|OTTHUMP00000044725|WNT-4 protein

Pathway

- Basal cell carcinoma
- Hedgehog signaling pathway

- Melanogenesis
- Pathways in cancer
- Wnt signaling pathway

Disease

- Cleft Lip
- Cleft Palate
- Disease Susceptibility
- Endometriosis