antibodies .- online.com







anti-WNT4 antibody (Center)





Publication



Overview	
Quantity:	100 μL
Target:	WNT4
Binding Specificity:	Center
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This WNT4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Immunogen:	Recombinant protein encompassing a sequence within the center region of human WNT4. The
	exact sequence is proprietary.
Isotype:	IgG
Characteristics:	Rabbit Polyclonal antibody to WNT4 (protein Wnt-4)
	WNT4 antibody
Purification:	Purified by antigen-affinity chromatography.
Target Details	
Target:	WNT4
Alternative Name:	WNT4 (WNT4 Products)

Target Details

Background:	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
Molecular Weight:	39 kDa
Gene ID:	54361
Pathways:	WNT Signaling, Regulation of Hormone Metabolic Process, Regulation of Hormone Biosynthetic
	Process, Cell-Cell Junction Organization, Tube Formation
Application Details	
Application Notes:	Suggested dilution Reference IHC (Formalin-fixed paraffin-embedded sections) 1:100-1:1000*
	Western blot 1:500-1:10000* Not tested in other applications. *Optimal dilutions/concentrations
	should be determined by the researcher. Suggested dilution Reference IHC (Formalin-fixed
	paraffin-embedded sections)1:100-1:1000* Western blot1:500-1:10000*
Comment:	Positive Control: 293T , HepG2 , WNT4 transfected 293T lysate , V5-human Wnt4-transfected
	293T
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	0.78 mg/mL
Buffer:	0.1M Tris, 0.1M Glycine, 10 % Glycerol (pH 7). 0.01 % Thimerosal was added as a preservative.
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE

Handling

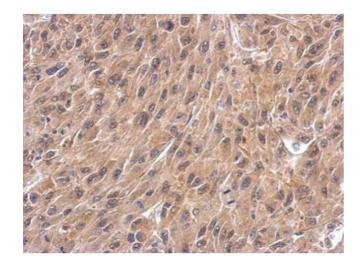
	which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Publications

Product cited in:

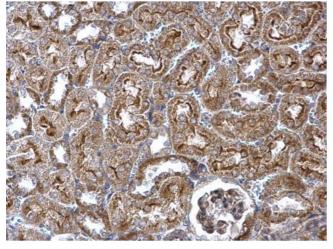
Hinderer, Sudrow, Schneider, Holeiter, Layland, Seifert, Schenke-Layland: "Surface functionalization of electrospun scaffolds using recombinant human decorin attracts circulating endothelial progenitor cells." in: **Scientific reports**, Vol. 8, Issue 1, pp. 110, (2018) (PubMed).

Images



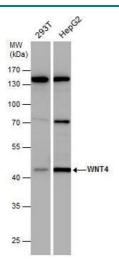
Immunohistochemistry

Image 1. IHC-P Image Immunohistochemical analysis of paraffin-embedded U87 xenograft, using WNT4, antibody at 1:500 dilution.



Immunohistochemistry

Image 2. IHC-P Image WNT4 antibody detects WNT4 protein at secreted on mouse kidney by immunohistochemical analysis. Sample: Paraffin-embedded mouse kidney. WNT4 antibody, dilution: 1:500.



Western Blotting

Image 3. WB Image WNT4 antibody detects WNT4 protein by western blot analysis. Various whole cell extracts (30 μ g) were separated by 10% SDS-PAGE, and the membrane was blotted with WNT4 antibody , diluted at a dilution of 1:1000.

Please check the product details page for more images. Overall 5 images are available for ABIN2854927.