

Datasheet for ABIN762911
anti-WNT4 antibody (AA 201-300)[3 Images](#)[4 Publications](#)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	WNT4
Binding Specificity:	AA 201-300
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This WNT4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human WNT4
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Horse
Purification:	Purified by Protein A.

Target Details

Target:	WNT4
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Target Details

Alternative Name:	Wnt4 (WNT4 Products)
Background:	<p>Synonyms: WNT-4, SERKAL, Protein Wnt-4, WNT4, UNQ426/PRO864</p> <p>Background: Ligand for members of the frizzled family of seven transmembrane receptors.</p> <p>Probable developmental protein. May be a signaling molecule which affects the development of discrete regions of tissues. Is likely to signal over only few cell diameters (By similarity).</p> <p>Overexpression may be associated with abnormal proliferation in human breast tissue.</p>
Gene ID:	54361
UniProt:	P56705
Pathways:	WNT Signaling , Regulation of Hormone Metabolic Process , Regulation of Hormone Biosynthetic Process , Cell-Cell Junction Organization , Tube Formation

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in:

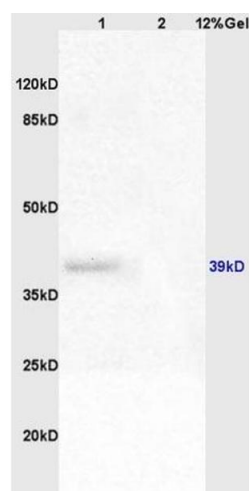
Chen, Chen, Wallace, Chen, Yang, Sung, Chiang, Chen, Chua, Yip, Cheng: "Combined therapy with melatonin and exendin-4 effectively attenuated the deterioration of renal function in rat cardiorenal syndrome." in: **American journal of translational research**, Vol. 9, Issue 2, pp. 214-229, (2017) ([PubMed](#)).

Chang, Hsu, Yang, Sung, Chen, Huang, Kao, Chen, Chen, Chiang, Yip, Lee: "Enhanced protection against renal ischemia-reperfusion injury with combined melatonin and exendin-4 in a rodent model." in: **Experimental biology and medicine (Maywood, N.J.)**, Vol. 241, Issue 14, pp. 1588-602, (2017) ([PubMed](#)).

Hua, Xu, He, Jiang, Ye, Pan: "Wnt4/ β -catenin signaling pathway modulates balloon-injured carotid artery restenosis via disheveled-1." in: **International journal of clinical and experimental pathology**, Vol. 7, Issue 12, pp. 8421-31, (2015) ([PubMed](#)).

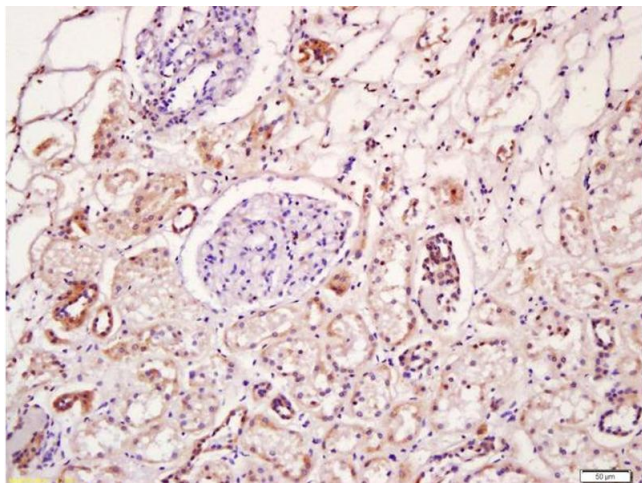
Hua, He, Xu, Jiang, Ye, Pan: "Emodin prevents intima thickness via Wnt4/Dvl-1/ β -catenin signaling pathway mediated by miR-126 in balloon-injured carotid artery rats." in: **Experimental & molecular medicine**, Vol. 47, pp. e170, (2015) ([PubMed](#)).

Images



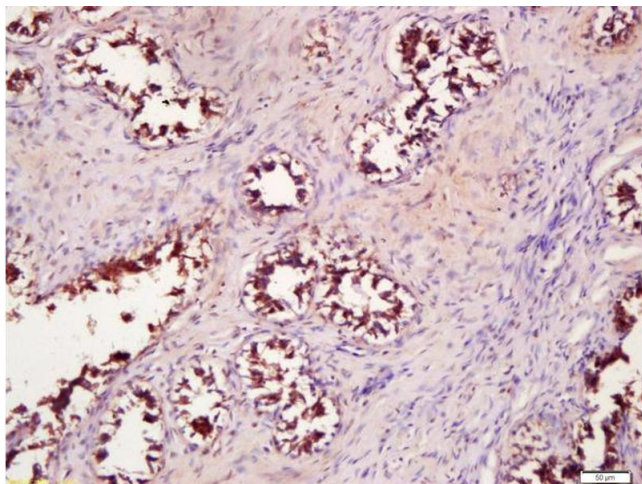
SDS-PAGE

Image 1. Lane 1: rat liver lysates Lane 2: rat brain lysates probed with Anti WNT4 Polyclonal Antibody, Unconjugated (ABIN762911) at 1:200 in 4 °C. Followed by conjugation to secondary antibody at 1:3000 90min in 37 °C. Predicted band 39kD. Observed band size: 39kD.



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded human kidney labeled with Anti-WNT4 Polyclonal Antibody, Unconjugated (ABIN762911) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry

Image 3. Formalin-fixed and paraffin embedded human breast carcinoma labeled with Anti-WNT4 Polyclonal Antibody, Unconjugated (ABIN762911) at 1:200 followed by conjugation to the secondary antibody and DAB staining