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Datasheet for ABIN390635  
**anti-WNT4 antibody (C-Term)**

2 Images

1 Publication

### Overview

Quantity:	400 µL
Target:	WNT4
Binding Specificity:	AA 242-269, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This WNT4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Immunogen:	This WNT4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 242-269 amino acids from the C-terminal region of human WNT4.
Clone:	RB19966
Isotype:	Ig Fraction
Predicted Reactivity:	M, Rat
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

### Target Details

Target:	WNT4
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## Target Details

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Alternative Name:	WNT4 ( <a href="#">WNT4 Products</a> )
Background:	The WNT family consists of secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. WNT4 is a protein which shows 98 % amino acid identity to the Wnt4 protein of mouse and rat. It play a concerted role in both the control of female development and the prevention of testes formation.
Molecular Weight:	39052
Gene ID:	54361
NCBI Accession:	<a href="#">NP_110388</a>
UniProt:	<a href="#">P56705</a>
Pathways:	<a href="#">WNT Signaling</a> , <a href="#">Regulation of Hormone Metabolic Process</a> , <a href="#">Regulation of Hormone Biosynthetic Process</a> , <a href="#">Cell-Cell Junction Organization</a> , <a href="#">Tube Formation</a>

## Application Details

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Application Notes:	WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

## Handling

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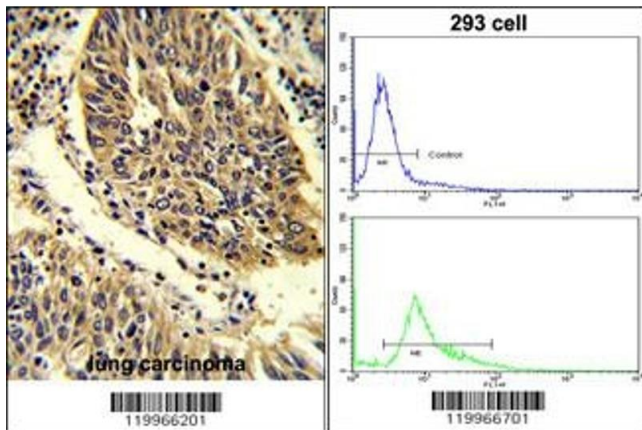
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

## Publications

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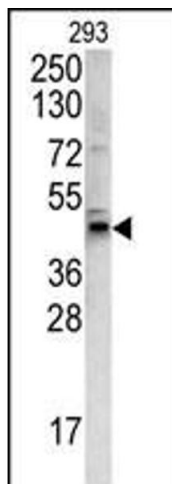
Product cited in:	Bannon, Johnson, Michelhaugh, Hartley, Halter, David, Kapatos, Schmidt: "A molecular profile of
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cocaine abuse includes the differential expression of genes that regulate transcription, chromatin, and dopamine cell phenotype." in: **Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology**, Vol. 39, Issue 9, pp. 2191-9, (2014) ([PubMed](#)).



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** (LEFT) Formalin-fixed and paraffin-embedded human lung carcinoma reacted with WNT4 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. (RIGHT) Flow cytometric analysis of 293 cells using WNT4 Antibody (C-term) (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



### Western Blotting

**Image 2.** Western blot analysis of WNT4 antibody (C-term) (ABIN390635 and ABIN2840938) in 293 cell line lysates (35 µg/lane). WNT4 (arrow) was detected using the purified Pab.