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Datasheet for ABIN652224

## anti-WNT4 antibody (AA 211-239)

4 Images

1 Publication

### Overview

Quantity:	200 µL
Target:	WNT4
Binding Specificity:	AA 211-239
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)), Flow Cytometry (FACS)

### Product Details

Immunogen:	This WNT4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 211-239 amino acids from the Central region of human WNT4.
Clone:	RB19965
Isotype:	Ig Fraction
Predicted Reactivity:	Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

### 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: 1:2000. WB: 1:2000. IHC-P: 1:10~50. FC: 1:25
Restrictions:	For Research Use only

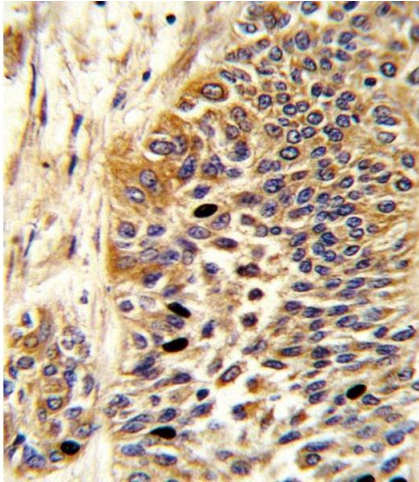
## Handling

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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.
Handling Advice:	Avoid freeze-thaw cycles.
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.
Expiry Date:	6 months

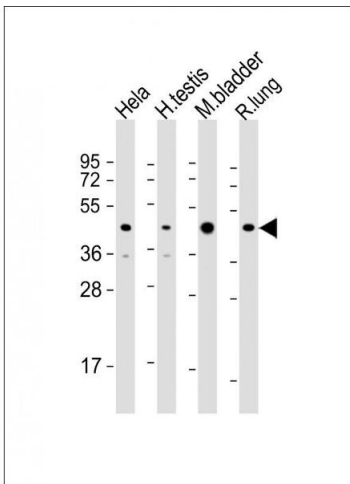
Product cited in: Hu, Zhou, Zhao, Wu: "Integrin  $\alpha 6$ /Akt/Erk signaling is essential for human breast cancer resistance to radiotherapy." in: **Scientific reports**, Vol. 6, pp. 33376, (2018) ([PubMed](#)).

Images



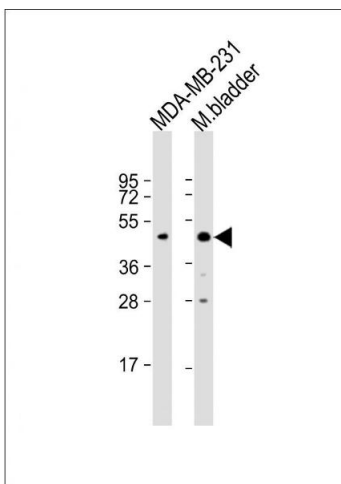
**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Formalin-fixed and paraffin-embedded human bladder carcinoma reacted with WNT4 Antibody (Center), 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.



**Western Blotting**

**Image 2.** All lanes : Anti-WNT4 Antibody (Center) at 1:2000 dilution Lane 1: HeLa whole cell lysate Lane 2: human testis lysate Lane 3: mouse bladder lysate Lane 4: rat lung lysate Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 39 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.



**Western Blotting**

**Image 3.** All lanes : Anti-WNT4 Antibody (Center) at 1:2000 dilution Lane 1: MDA-MB-231 whole cell lysate Lane 2: mouse bladder lysate Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 39 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN652224.