

Datasheet for ABIN675758  
**anti-WNT5A antibody (AA 301-381)**

6 Images

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## Overview

Quantity:	100 µL
Target:	WNT5A
Binding Specificity:	AA 301-381
Reactivity:	Human, Mouse, Rat, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This WNT5A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), 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 WNT5A
Isotype:	IgG
Cross-Reactivity:	Dog, Human, Mouse, Rat
Predicted Reactivity:	Cow,Pig,Rabbit
Purification:	Purified by Protein A.

## Target Details

Target:	WNT5A
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## Target Details

Alternative Name:	WNT5A ( <a href="#">WNT5A Products</a> )
Background:	<p>Synonyms: hWNT5A, Protein Wnt-5a, WNT5A</p> <p>Background: Ligand for members of the frizzled family of seven transmembrane receptors. Can activate or inhibit canonical Wnt signaling, depending on receptor context. In the presence of FZD4, activates beta-catenin signaling. In the presence of ROR2, inhibits the canonical Wnt pathway by promoting beta-catenin degradation through a GSK3-independent pathway which involves down-regulation of beta-catenin-induced reporter gene expression. Suppression of the canonical pathway allows chondrogenesis to occur and inhibits tumor formation. Stimulates cell migration. Decreases proliferation, migration, invasiveness and clonogenicity of carcinoma cells and may act as a tumor suppressor. Mediates motility of melanoma cells. Required during embryogenesis for extension of the primary anterior-posterior axis and for outgrowth of limbs and the genital tubercle. Inhibits type II collagen expression in chondrocytes.</p>
Gene ID:	7474
UniProt:	<a href="#">P41221</a>
Pathways:	<a href="#">WNT Signaling</a> , <a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Production of Molecular Mediator of Immune Response</a> , <a href="#">Regulation of Cell Size</a> , <a href="#">Tube Formation</a>

## Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 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

## Handling

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

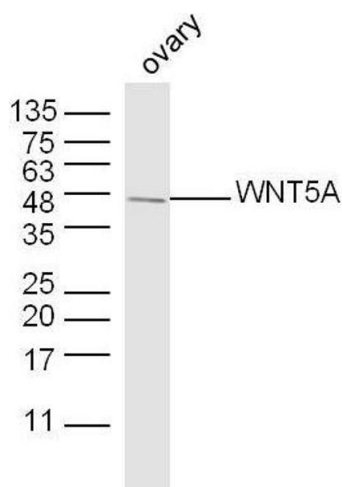
## Publications

Product cited in:	<p>Guo, Yi, Li, Fu, Li: "Snail1 is positively correlated with atrial fibrosis in patients with atrial fibrillation and rheumatic heart disease." in: <b>Experimental and therapeutic medicine</b>, Vol. 14, Issue 5, pp. 4231-4237, (2017) (<a href="#">PubMed</a>).</p> <p>Saha, Aranda, Hayakawa, Bhanja, Atay, Brodin, Li, Asfaha, Liu, Tailor, Zhang, Godwin, Tome, Wang, Guha, Pollard: "Macrophage-derived extracellular vesicle-packaged WNTs rescue intestinal stem cells and enhance survival after radiation injury." in: <b>Nature communications</b>, Vol. 7, pp. 13096, (2016) (<a href="#">PubMed</a>).</p> <p>Król, Mucha, Majchrzak, Homa, Bulkowska, Majewska, Gajewska, Pietrzak, Perszko, Romanowska, Pawłowski, Manuali, Hellmen, Motyl: "Macrophages mediate a switch between canonical and non-canonical Wnt pathways in canine mammary tumors." in: <b>PLoS ONE</b>, Vol. 9, Issue 1, pp. e83995, (2014) (<a href="#">PubMed</a>).</p>
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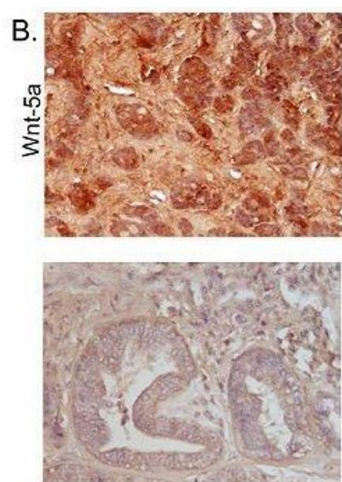
### Immunohistochemistry

**Image 1.** Frozen mouse brain sections labeled with Anti-WNT5A Polyclonal Antibody, Unconjugated (ABIN675758) at 1:1000 followed by conjugation to the secondary antibody



### Western Blotting

**Image 2.** Mouse ovary lysates probed with WNT5A Polyclonal Antibody, unconjugated at 1:300 overnight at 4°C followed by a conjugated secondary antibody at 1:10000 for 90 minutes at 37°C.



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** Image kindly submitted by Dr. Magdalena Krol. Formalin-fixed and paraffin embedded canine mammary tumor labeled with Rabbit Anti-WNT5A Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN675758.