

## Product datasheet

# Anti-Wnt11 antibody ab96730

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### Overview

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<b>Product name</b>	Anti-Wnt11 antibody
<b>Description</b>	Rabbit polyclonal to Wnt11
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, ICC/IF, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human
<b>Immunogen</b>	Recombinant fragment, corresponding to a region within amino acids 1-280 of Human Wnt11 (NP_004617).
<b>Positive control</b>	WB: HEK-293T, A431, COLO 205 cell lysate, mouse heart white adipose tissue extract. IHC-P: Lung SCC xenograft and mouse colon tissue. IF: HeLa cells.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.00 Preservative: 0.025% Proclin 300 Constituents: 79% PBS, 20% Glycerol (glycerin, glycerine)
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

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## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab96730 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 39 kDa.
ICC/IF		1/100 - 1/1000.
IHC-P		1/100 - 1/1000.

## Target

### Function

Ligand for members of the frizzled family of seven transmembrane receptors. 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.

### Tissue specificity

Expressed in fetal lung, kidney, adult heart, liver, skeletal muscle, and pancreas.

### Sequence similarities

Belongs to the Wnt family.

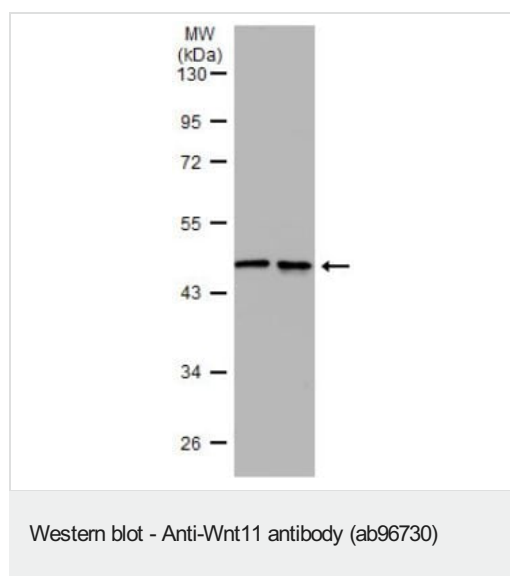
### Post-translational modifications

Palmitoylation at Ser-215 is required for efficient binding to frizzled receptors. Palmitoylation is necessary for proper trafficking to cell surface.

### Cellular localization

Secreted, extracellular space, extracellular matrix.

## Images



**All lanes :** Anti-Wnt11 antibody (ab96730) at 1/1000 dilution

**Lane 1 :** HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate

**Lane 2 :** A431 (human epidermoid carcinoma cell line) whole cell lysate

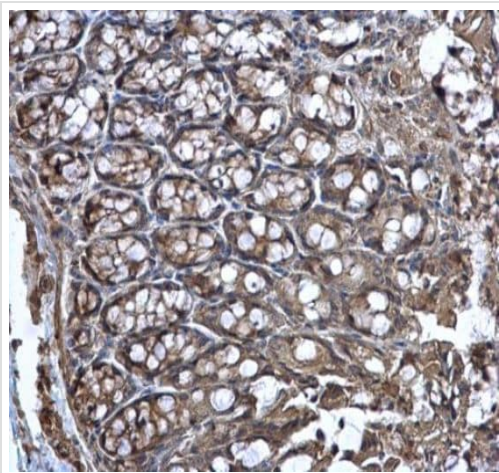
Lysates/proteins at 30 µg per lane.

### Secondary

**All lanes :** HRP-conjugated anti-rabbit IgG antibody

**Predicted band size:** 39 kDa

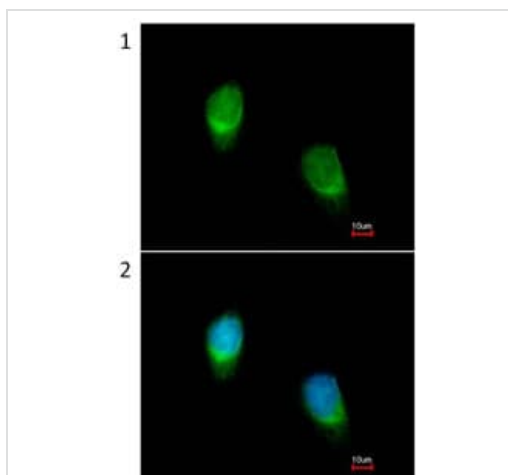
10% SDS-PAGE



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Wnt11 antibody (ab96730)

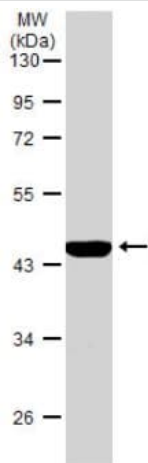
Paraffin-embedded mouse colon tissue stained Wnt11 using ab96730 at 1/500 dilution.

Antigen Retrieval: EDTA based buffer, pH 8.0, 15min



Immunocytochemistry/ Immunofluorescence - Anti-Wnt11 antibody (ab96730)

Immunofluorescence analysis of paraformaldehyde-fixed HeLa (human epithelial cell line from cervix adenocarcinoma) cells labelling Wnt11 (green) using ab96730 at 1/200 dilution. Lower image merged with DNA probe.



Western blot - Anti-Wnt11 antibody (ab96730)

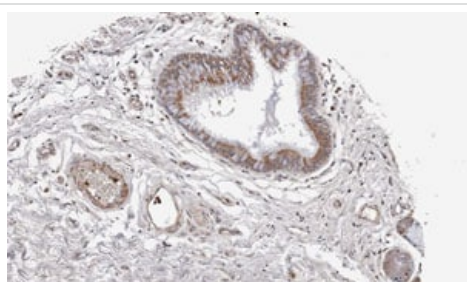
Anti-Wnt11 antibody (ab96730) at 1/1000 dilution + Mouse heart tissue extract at 30  $\mu$ g

### Secondary

HRP-conjugated anti-rabbit IgG antibody

**Predicted band size:** 39 kDa

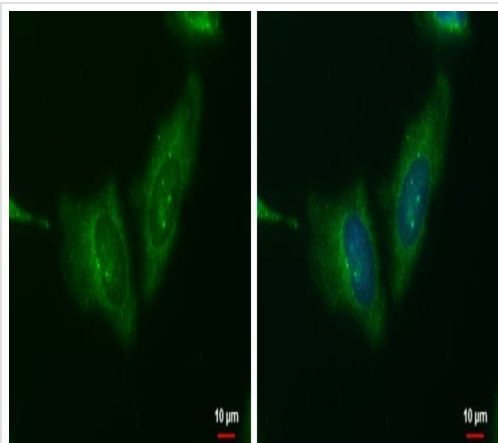
10% SDS-PAGE



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Wnt11 antibody (ab96730)

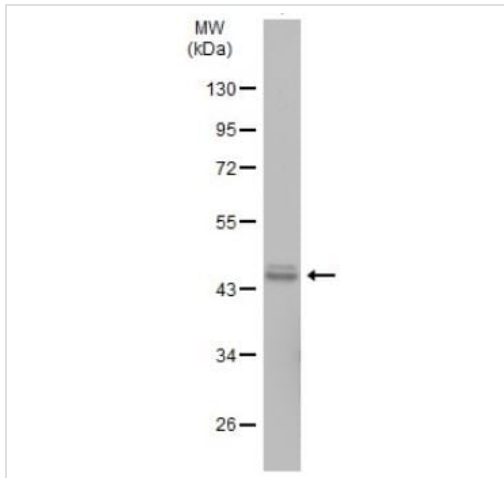
Paraffin-embedded lung SCC xenograft stained Wnt11 using ab96730 at 1/100 dilution.

Antigen Retrieval: EDTA based buffer, pH 8.0, 15min.



Immunocytochemistry/ Immunofluorescence - Anti-Wnt11 antibody (ab96730)

Immunofluorescence analysis of ice-cold MeOH-fixed (5 min) HeLa (human epithelial cell line from cervix adenocarcinoma) cells labelling Wnt11 (green) at cytoplasm using ab96730 at 1/500 dilution. Blue: Hoechst 33342 staining. Scale bar = 10  $\mu$ m.



Western blot - Anti-Wnt11 antibody (ab96730)

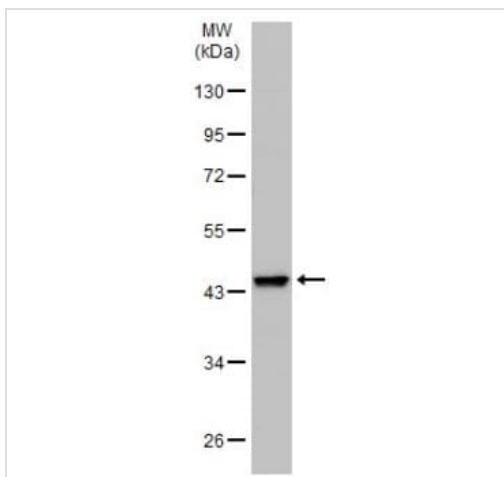
Anti-Wnt11 antibody (ab96730) at 1/1000 dilution + Mouse white adipose tissue extract at 50  $\mu$ g

**Secondary**

HRP-conjugated anti-rabbit IgG antibody

**Predicted band size:** 39 kDa

10% SDS-PAGE



Western blot - Anti-Wnt11 antibody (ab96730)

Anti-Wnt11 antibody (ab96730) at 1/1000 dilution + COLO 205 (human colon adenocarcinoma cell line) whole cell lysate at 30  $\mu$ g

**Secondary**

HRP-conjugated anti-rabbit IgG antibody

**Predicted band size:** 39 kDa

10% SDS-PAGE

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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