


Product datasheet

Anti-Wnt7b antibody ab227607

[2 References](#) [1 Image](#)

Overview

Product name	Anti-Wnt7b antibody
Description	Rabbit polyclonal to Wnt7b
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Chicken, Xenopus laevis 
Immunogen	Recombinant fragment within Human Wnt7b (internal sequence). The exact sequence is proprietary. Database link: P56706
Positive control	WB: Human Wnt7b-V5 transfected HEK-293T whole cell lysate.
General notes	<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&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 79.99% PBS, 20% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab227607 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		1/1000 - 1/10000. Predicted molecular weight: 39 kDa.

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

Moderately expressed in fetal brain, weakly expressed in fetal lung and kidney, and faintly expressed in adult brain, lung and prostate.

Sequence similarities

Belongs to the Wnt family.

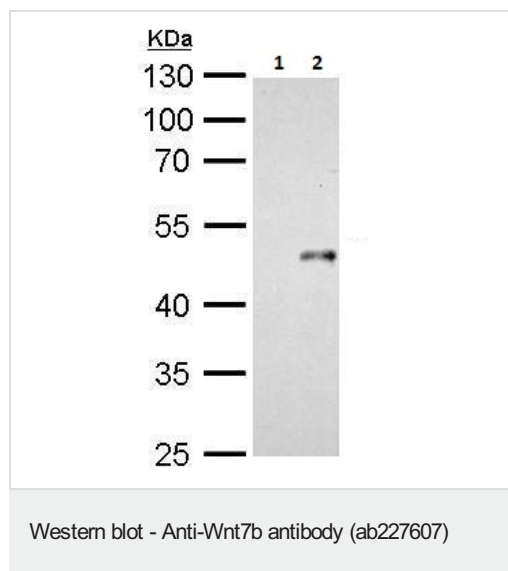
Cellular localization

Secreted > extracellular space > extracellular matrix.

Form

Wnt7b is a secreted glycosylated protein that belongs to the Wnt family. Wnt proteins can be lipid modified and are ligands for members of the frizzled family of receptors, which mediate cell-cell communication during development. Wnt7b is thought to modulate several important signaling pathways in the lung which results in the coordinated proliferation of adjacent epithelial and mesenchymal cells to stimulate organ growth.

Images



All lanes : Anti-Wnt7b antibody (ab227607) at 1/5000 dilution

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

Lane 2 : Human Wnt7b-V5 transfected HEK-293T whole cell lysate

Lysates/proteins at 30 µg per lane.

Developed using the ECL technique.

Predicted band size: 39 kDa

10% SDS-PAGE

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors