




Product datasheet

Anti-Wnt7 α antibody ab217844

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

Overview

| | |
|----------------------------|--|
| Product name | Anti-Wnt7a antibody |
| Description | Rabbit polyclonal to Wnt7a |
| Host species | Rabbit |
| Tested applications | Suitable for: WB, IHC-P |
| Species reactivity | Reacts with: Rat, Human Predicted to work with: Mouse  |
| Immunogen | Synthetic peptide within Human Wnt7a aa 200-300 conjugated to keyhole limpet haemocyanin. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please contact our Scientific Support team to discuss your requirements. Database link: O00755  Run BLAST with  Run BLAST with |
| Positive control | Rat brain and human colon carcinoma lysates. Human kidney tissue. |
| 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: 7.40 Preservative: 0.02% Proclin 300 Constituents: 50% Glycerol (glycerin, glycerine), 1% BSA, 48.98% TBS, 1X |
| Purity | Protein A purified |
| Clonality | Polyclonal |

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab217844 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 | | 1/100 - 1/1000. Detects a band of approximately 41 kDa (predicted molecular weight: 41 kDa). |
| IHC-P | | 1/100 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. |

Target

Function

Ligand for members of the frizzled family of seven transmembrane receptors. Probable developmental protein. Signaling by Wnt-7a allows sexually dimorphic development of the mullerian ducts.

Tissue specificity

Expression is restricted to placenta, kidney, testis, uterus, fetal lung, and fetal and adult brain.

Involvement in disease

Defects in WNT7A are the cause of limb/pelvis-hypoplasia/aplasia syndrome (LPHAS) [MIM:276820]; also known as absence of ulna and fibula with severe limb deficiency. LPHAS is a limb-malformation disorder characterized by various degrees of limb aplasia/hypoplasia and joint dysplasia.

Defects in WNT7A are a cause of Fuhrmann syndrome (FUHRS) [MIM:228930]; also known as fibular aplasia or hypoplasia femoral bowing and poly- syn- and oligodactyly. Fuhrmann syndrome is a distinct limb-malformation disorder characterized also by various degrees of limb aplasia/hypoplasia and joint dysplasia.

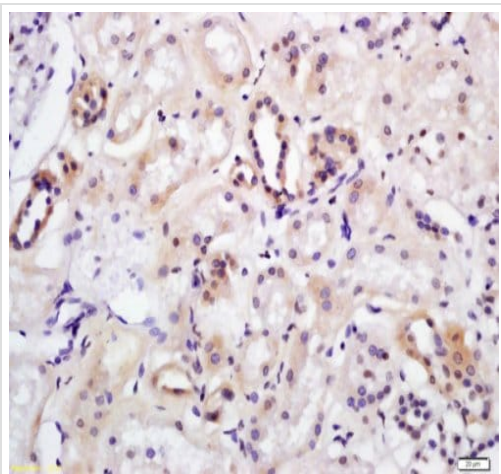
Sequence similarities

Belongs to the Wnt family.

Cellular localization

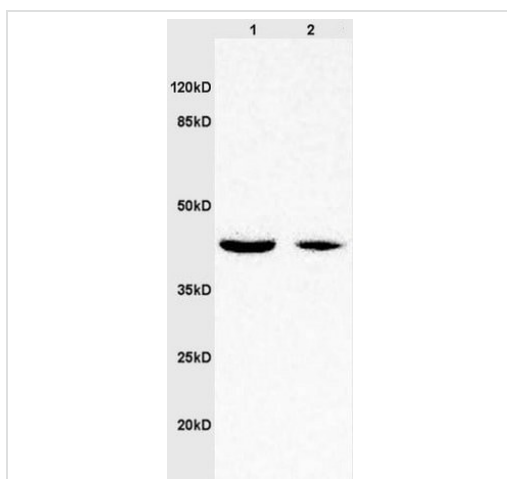
Secreted > extracellular space > extracellular matrix.

Images



Immunohistochemical analysis of formalin-fixed paraffin-embedded Human kidney tissue, labeling Wnt7a using ab217844 at a 1/200 dilution, followed by conjugation to the secondary antibody and DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Wnt7a antibody (ab217844)



Western blot - Anti-Wnt7a antibody (ab217844)

All lanes : Anti-Wnt7a antibody (ab217844) at 1/200 dilution

Lane 1 : rat brain lysates

Lane 2 : human colon carcinoma lysates

Secondary

All lanes : goat anti-rabbit IgG antibody (H+L) HRP-conjugated at 1/3000 dilution

Developed using the ECL technique.

Predicted band size: 41 kDa

Observed band size: 41 kDa

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

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