


Anti-Wnt7a antibody ab100792

★★★★★ [2 Abreviews](#) [19 References](#) [画像数 3](#)

製品の概要

製品名	Anti-Wnt7a antibody
製品の詳細	Rabbit polyclonal to Wnt7a
由来種	Rabbit
特異性	From Mar 2024, QC testing of replenishment batches of this polyclonal changed. All tested and expected application and reactive species combinations are still covered by our Abcam product promise. However, we no longer test all applications. For more information on a specific batch, please contact our Scientific Support who will be happy to help.
アプリケーション	適用あり: WB, ICC/IF
種交差性	交差種: Mouse, Human 交差が予測される動物種: Chicken, Chimpanzee, Gorilla, Orangutan 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	Recombinant human Wnt7a protein (ab116171) can be used as positive control in WB. In Western Blot, ab100792 gave a positive signal in Human kidney tissue lysate, human and mouse kidney lysate, HEPg2 cells, COLO 205 whole cell lysate and human colon tumor tissue. ICC/IF: HepG2 cells.
特記事項	<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>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS

Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

精製度 Immunogen affinity purified
ポリ/モノ ポリクローナル
アイソタイプ IgG

アプリケーション

The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab100792の使用に適用されます**
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB	★★★★★ (1)	Use a concentration of 1 µg/ml. Detects a band of approximately 41 kDa (predicted molecular weight: 39 kDa). Abcam recommends using 5% BSA as the blocking agent.
ICC/IF	★★★★★ (1)	Use a concentration of 5 µg/ml.

ターゲット情報

機能 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.

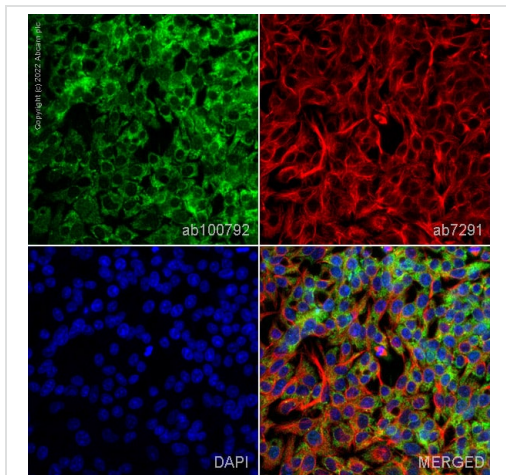
組織特異性 Expression is restricted to placenta, kidney, testis, uterus, fetal lung, and fetal and adult brain.

関連疾患 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.

配列類似性 Belongs to the Wnt family.

細胞内局在 Secreted > extracellular space > extracellular matrix.

画像

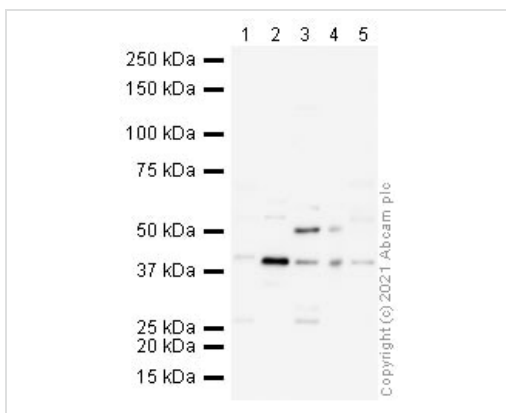


Immunocytochemistry/ Immunofluorescence - Anti-Wnt7a antibody (ab100792)

ab100792 staining Wnt7a in HepG2 cells. The cells were fixed with 100% methanol (5 min), permeabilized with 0.1% PBS-Tween for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1%PBS-Tween for 1h. The cells were then incubated overnight at 4°C with ab100792 at 1µg/ml and **ab7291**, Mouse monoclonal [DM1A] to alpha Tubulin - Loading Control. Cells were then incubated with **ab150081**, Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor® 488), pre-adsorbed at 1/1000 dilution (shown in green) and **ab150120**, Goat polyclonal Secondary Antibody to Mouse IgG - H&L (Alexa Fluor® 594), pre-adsorbed at 1/1000 dilution (shown in pseudocolour red). Nuclear DNA was labelled with DAPI (shown in blue).

Also suitable in cells fixed with 4% paraformaldehyde (10 min).

Image was acquired with a high-content analyser (Operetta CLS, Perkin Elmer) and a maximum intensity projection of confocal sections is shown.



Western blot - Anti-Wnt7a antibody (ab100792)

All lanes : Anti-Wnt7a antibody (ab100792) at 1 µg/ml

Lane 1 : Human Kidney lysate

Lane 2 : Mouse Kidney lysate

Lane 3 : HepG2 whole cell lysate

Lane 4 : COLO 205 whole cell lysate

Lane 5 : Human Colon tumour tissue lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/50000 dilution

Predicted band size: 39 kDa

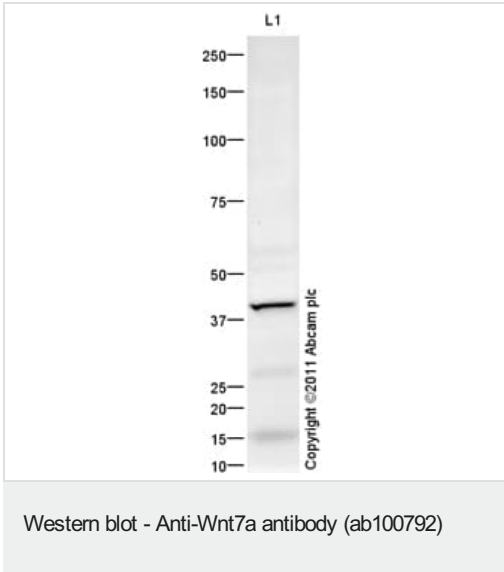
Exposure: 4 minutes

Blocking buffer: 2% BSA

Gel type: MOPS

Observed band size: 41 kDa

Additional bands: 50 kDa, 27kDa



Anti-Wnt7a antibody (ab100792) at 1 µg/ml + Human kidney tissue lysate - total protein ([ab30203](#)) at 10 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) preadsorbed ([ab97080](#)) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 39 kDa

Observed band size: 41 kDa

Additional bands at: 15 kDa, 28 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 16 minutes

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

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