

Anti-Frizzled 7 antibody ab64636

★★★★☆ [4 Abreviews](#) [27 References](#) [画像数 5](#)

製品の概要

製品名	Anti-Frizzled 7 antibody
製品の詳細	Rabbit polyclonal to Frizzled 7
由来種	Rabbit
特異性	Replenishment batches of ab64636 are tested in WB. Previous batches were additionally validated in ICC/IF and IHC-P. These applications are still expected to work and are covered by our Abpromise guarantee.
アプリケーション	適用あり: WB, IHC-P, ICC/IF
種交差性	交差種: Mouse, Rat, Human 交差が予測される動物種: Chicken, Cow, Dog, Xenopus laevis, Rhesus monkey 
免疫原	Synthetic peptide corresponding to Human Frizzled 7 aa 550 to the C-terminus (C terminal) conjugated to keyhole limpet haemocyanin. (Peptide available as ab64635)
ポジティブ・コントロール	ICC/IF: HeLa cells. WB: Human, mouse and rat skeletal muscle tissue lysate. Rat spinal cord tissue lysate. Human brain tissue lysate. HEK293 and HeLa whole cell lysate. IHC-P: Human kidney (papillary cancer) tissue. Human skeletal muscle tissue.
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ab64636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	★★★★☆ (3)	Use a concentration of 1 µg/ml. Detects a band of approximately 90 kDa (predicted molecular weight: 64 kDa).
IHC-P	★★★★☆ (1)	Use a concentration of 1 µg/ml. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
ICC/IF		Use a concentration of 5 µg/ml.

ターゲット情報

機能 Receptor for Wnt proteins. Most of frizzled receptors are coupled to the beta-catenin canonical signaling pathway, which leads to the activation of disheveled proteins, inhibition of GSK-3 kinase, nuclear accumulation of beta-catenin and activation of Wnt target genes. A second signaling pathway involving PKC and calcium fluxes has been seen for some family members, but it is not yet clear if it represents a distinct pathway or if it can be integrated in the canonical pathway, as PKC seems to be required for Wnt-mediated inactivation of GSK-3 kinase. Both pathways seem to involve interactions with G-proteins. May be involved in transduction and intercellular transmission of polarity information during tissue morphogenesis and/or in differentiated tissues.

組織特異性 High expression in adult skeletal muscle and fetal kidney, followed by fetal lung, adult heart, brain, and placenta. Specifically expressed in squamous cell esophageal carcinomas.

配列類似性 Belongs to the G-protein coupled receptor Fz/Smo family.
Contains 1 FZ (frizzled) domain.

ドメイン Lys-Thr-X-X-X-Trp motif is involved in the activation of the Wnt/beta-catenin signaling pathway. The FZ domain is involved in binding with Wnt ligands.

細胞内局在 Membrane.

画像



Western blot - Anti-Frizzled 7 antibody (ab64636)

All lanes : Anti-Frizzled 7 antibody (ab64636) at 1 µg/ml

Lane 1 : Skeletal Muscle (Rat) Tissue Lysate

Lane 2 : Human skeletal muscle tissue lysate - total protein
(**ab29330**)

Lane 3 : Skeletal Muscle (Mouse) Tissue Lysate

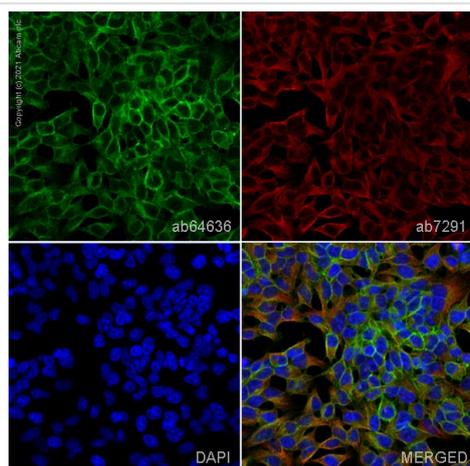
Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (HRP), pre-adsorbed at 1/5000 dilution

Predicted band size: 64 kDa

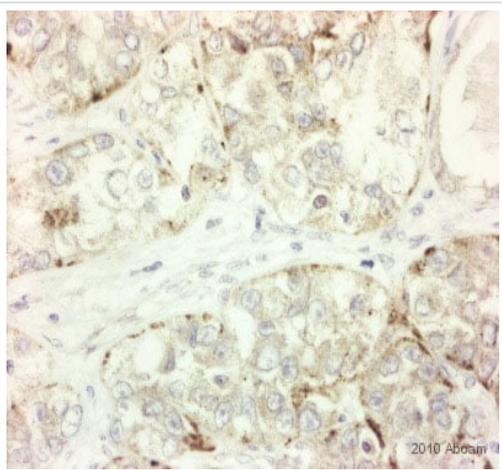
Observed band size: 85 kDa



Immunocytochemistry/ Immunofluorescence - Anti-Frizzled 7 antibody (ab64636)

ab64636 staining Frizzled 7 in HeLa cells. The cells were fixed with 100% methanol (5 min), permeabilized with 0.1% PBS-Triton X-100 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 ab64636 at 5 µg/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).

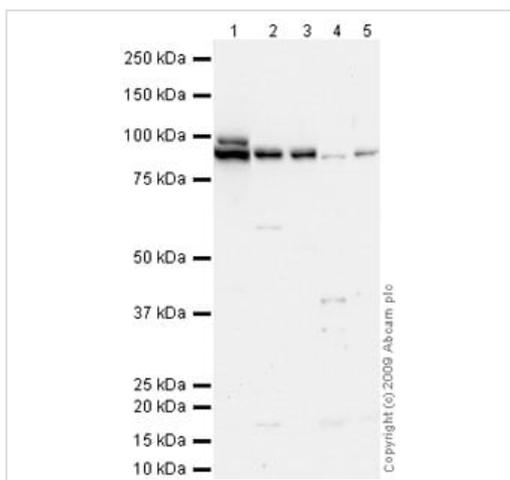
Image was acquired with a confocal microscope (Leica-Microsystems TCS SP8) and a single confocal section is shown.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Frizzled 7 antibody (ab64636)

This image is courtesy of an abreview submitted by Antibody Solutions Ltd.

ab64636 (1/250) staining Frizzled 7 in paraffin-embedded Human kidney (papillary cancer) tissue. Tissue underwent fixation in formaldehyde, peroxidase blocking, protein blocking and heat mediated antigen retrieval. The secondary antibody was goat anti rabbit conjugated to HRP. For further experimental details please refer to abreview.



Western blot - Anti-Frizzled 7 antibody (ab64636)

All lanes : Anti-Frizzled 7 antibody (ab64636) at 1 µg/ml

Lane 1 : Skeletal Muscle (Mouse) Tissue Lysate

Lane 2 : Spinal Cord (Rat) Tissue Lysate

Lane 3 : Human brain tissue lysate - total protein (**ab29466**)

Lane 4 : HEK293 (Human embryonic kidney cell line) Whole Cell Lysate

Lane 5 : HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 64 kDa

Additional bands at: 90 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 10 minutes

Frizzled 7 has a predicted molecular weight of 64 kDa, however as it contains a number of potential glycosylation sites (SwissProt data) it is thought that this is the reason it is running at 90kDa. Abcam welcomes customer feedback and would appreciate any comments regarding this product and the data presented above.



IHC image of Frizzled 7 staining in human skeletal muscle formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab64636, 1µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Frizzled 7 antibody (ab64636)

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