

Anti-SPRED1 antibody ab77079

7 References [画像数 4](#)

製品の概要

製品名	Anti-SPRED1 antibody
製品の詳細	Rabbit polyclonal to SPRED1
由来種	Rabbit
特異性	ab77079 is predicted to have no cross-reactivity to SPRED2 or SPRED3.
アプリケーション	適用あり: WB, ICC/IF, IHC-P
種交差性	交差種: Mouse, Rat, Human
免疫原	Synthetic 14 amino acid peptide from near the center of human SPRED1 (NP_689807).
ポジティブ・コントロール	Human brain tissue lysate. This antibody gave a positive result in IF in the following Formaldehyde fixed cell line: A549.
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.
バッファー	<p>pH: 7.2</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituent: PBS</p>
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ab77079の使用に適用されます

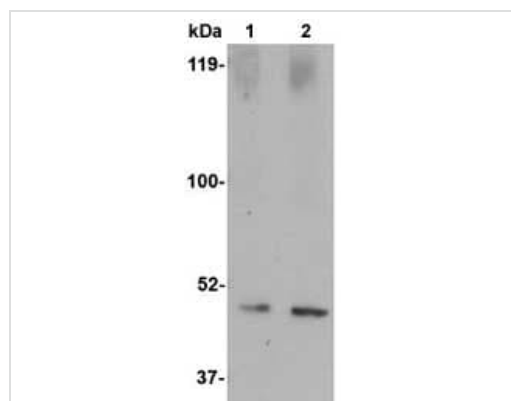
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		Use a concentration of 1 - 2 µg/ml. Predicted molecular weight: 50 kDa.
ICC/IF		Use at an assay dependent concentration.
IHC-P		Use a concentration of 1 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

ターゲット情報

機能	Tyrosine kinase substrate that inhibits growth-factor-mediated activation of MAP kinase. Negatively regulates hematopoiesis of bone marrow.
組織特異性	Weakly expressed in embryonic cell line (HEK-293).
関連疾患	Defects in SPRED1 are the cause of Legius syndrome (LEGIUSS) [MIM:611431]. It is a disorder characterized mainly by cafe au lait macules without neurofibromas or other tumor manifestations of neurofibromatosis type 1, axillary freckling, and macrocephaly. Additional clinical manifestations include Noonan-like facial dysmorphism, lipomas, learning disabilities and attention deficit-hyperactivity.
配列類似性	Contains 1 KBD domain. Contains 1 SPR (sprouty) domain. Contains 1 WH1 domain.
翻訳後修飾	Phosphorylated on tyrosine.
細胞内局在	Cell membrane. Membrane > caveola. Nucleus. Localized in cholesterol-rich membrane raft/caveola fractions.

画像



Western blot - Anti-SPRED1 antibody (ab77079)

Lane 1 : Anti-SPRED1 antibody (ab77079) at 1 µg/ml

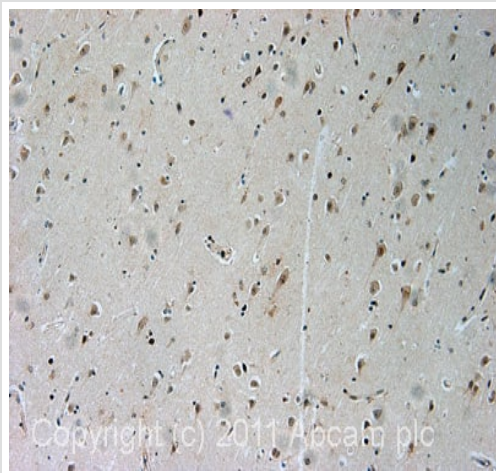
Lane 2 : Anti-SPRED1 antibody (ab77079) at 2 µg/ml

All lanes : Human brain tissue lysate

Lysates/proteins at 15 µg per lane.

Predicted band size: 50 kDa

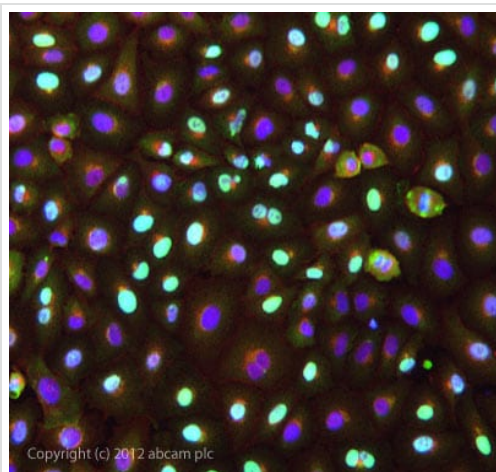
Observed band size: 50 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SPRED1 antibody (ab77079)

IHC image of ab77079 staining in human cerebral cortex 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 ab77079, 1 µg/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.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.



Immunocytochemistry/ Immunofluorescence - Anti-SPRED1 antibody (ab77079)

ab77079 stained A549 cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody ab77079 at 5 µg/ml overnight at +4°C. The secondary antibody (green) was DyLight® 488 goat anti-rabbit ([ab96899](#)) IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43 µM.

Immunocytochemistry/ Immunofluorescence - Anti-SPRED1 antibody (ab77079)

Immunofluorescence of Spred1 in Human Brain cells using ab77079 at 20 ug/ml.

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