


## Product datasheet

# Anti-Sprouty 2 antibody ab85670

★★★★☆ 3 Abreviews 1 References 画像数 3

### 製品の概要

製品名	Anti-Sprouty 2 antibody
製品の詳細	Rabbit polyclonal to Sprouty 2
由来種	Rabbit
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 交差が予測される動物種: Cynomolgus monkey, Orangutan 
免疫原	Synthetic peptide conjugated to KLH derived from within residues 50 - 150 of Human Sprouty 2. Immunogen の所有権に関して (Peptide available as <a href="#">ab101081</a> .)
ポジティブ・コントロール	This antibody gave a positive signal in the following lysates: Human Brain Tissue; Human Lung Tissue; Human Heart Tissue; Jurkat Whole Cell Lysate; Caco2 Whole Cell Lysate; SW480 Whole Cell Lysate. IHC-P: Human skin melanoma FFPE tissue sections

### 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	Preservative: 0.02% Sodium Azide Constituents: 1% BSA, PBS, pH 7.4
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

Our [Abpromise guarantee](#) covers the use of **ab85670** in the following tested applications.

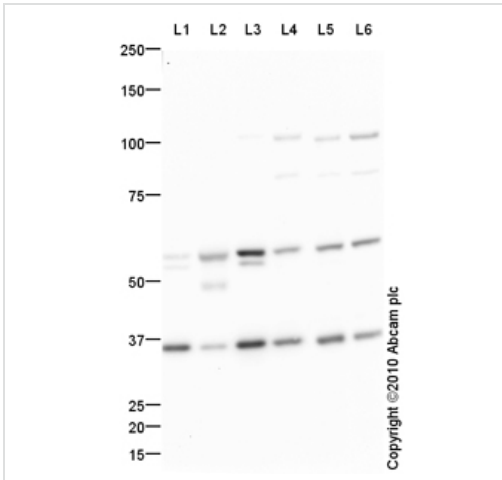
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
WB	★★★★☆☆	Use a concentration of 1 µg/ml. Detects a band of approximately 35 kDa (predicted molecular weight: 35 kDa).
ICC/IF		Use a concentration of 10 µg/ml.
IHC-P		Use a concentration of 1 µg/ml. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

## ターゲット情報

機能	May function as an antagonist of fibroblast growth factor (FGF) pathways and may negatively modulate respiratory organogenesis.
配列類似性	Belongs to the sprouty family. Contains 1 SPR (sprouty) domain.
ドメイン	The Cys-rich domain is responsible for the localization of the protein to the membrane ruffles.
細胞内局在	Cytoplasm > cytoskeleton. Cell projection > ruffle membrane. Associated with microtubules in unstimulated cells but is translocated to the membrane ruffles in cells stimulated with EGF.

## 画像



Western blot - Sprouty 2 antibody (ab85670)

**All lanes :** Anti-Sprouty 2 antibody (ab85670)  
at 1 µg/ml

**Lane 1 :** Human brain tissue lysate - total  
protein (ab29466)

**Lane 2 :** Lung (Human) Tissue Lysate

**Lane 3 :** Human heart tissue lysate - total  
protein (ab29431)

**Lane 4 :** Jurkat (Human T cell lymphoblast-like  
cell line) Whole Cell Lysate

**Lane 5 :** Caco 2 (Human colonic carcinoma  
cell line) Whole Cell Lysate

**Lane 6 :** SW480 (Human colon  
adenocarcinoma cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

#### Secondary

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP)  
preadsorbed (ab97080) at 1/5000 dilution

Developed using the ECL technique.

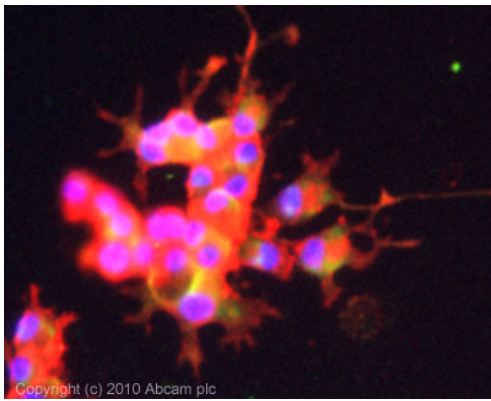
Performed under reducing conditions.

**Predicted band size:** 35 kDa

**Observed band size:** 35 kDa

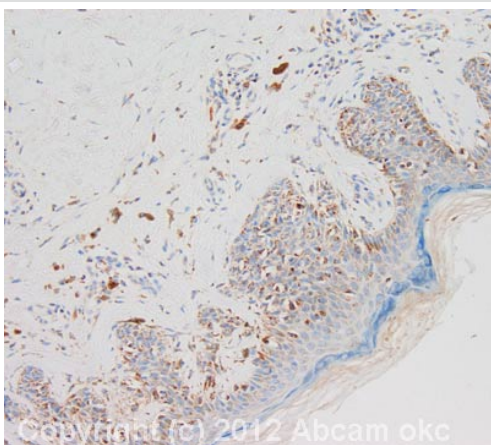
**Additional bands at:** 100 kDa, 55 kDa. We  
are unsure as to the identity of these extra  
bands.

**Exposure time:** 2 minutes



Immunocytochemistry/ Immunofluorescence - Anti-Sprouty 2 antibody (ab85670)

ICC/IF image of ab85670 stained PC12 cells. The cells were 4% PFA 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 (ab85670, 10µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit 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 1.43µM. This antibody also gave a positive result in 100% methanol fixed (5 min) PC12 cells at 10µg/ml.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Sprouty 2 antibody (ab85670)

IHC image of Sprouty 2 staining in human skin melanoma 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 ab85670, 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.

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.

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