


Product datasheet

Anti-Spry-2 antibody [EPR4318(2)(B)] ab180527

Recombinant RabMAb

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Overview

Product name	Anti-Spry-2 antibody [EPR4318(2)(B)]
Description	Rabbit monoclonal [EPR4318(2)(B)] to Spry-2
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	HT-29, PC-3 and HeLa whole cell lysate (ab150035); SH-SY5Y cells and cell lysates; Human breast carcinoma tissue.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</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	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR4318(2)(B)
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab180527 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		1/1000 - 1/10000. Detects a band of approximately 39 kDa (predicted molecular weight: 35 kDa).
IHC-P		1/50. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
ICC/IF		1/100.

Target

Function

May function as an antagonist of fibroblast growth factor (FGF) pathways and may negatively modulate respiratory organogenesis.

Sequence similarities

Belongs to the sprouty family.
Contains 1 SPR (sprouty) domain.

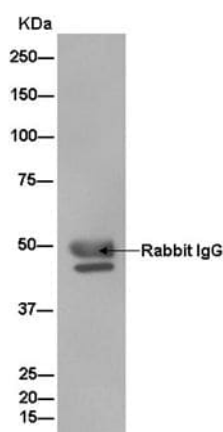
Domain

The Cys-rich domain is responsible for the localization of the protein to the membrane ruffles.

Cellular localization

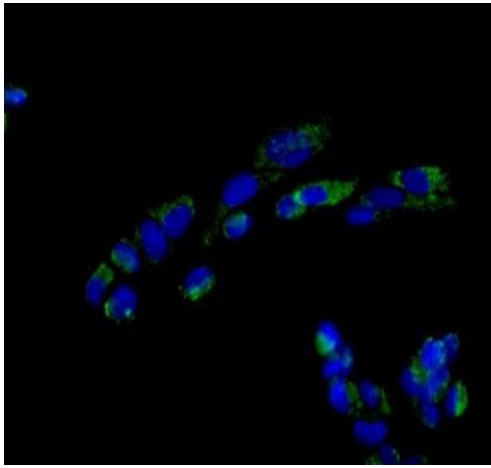
Cytoplasm > cytoskeleton. Cell projection > ruffle membrane. Associated with microtubules in unstimulated cells but is translocated to the membrane ruffles in cells stimulated with EGF.

Images



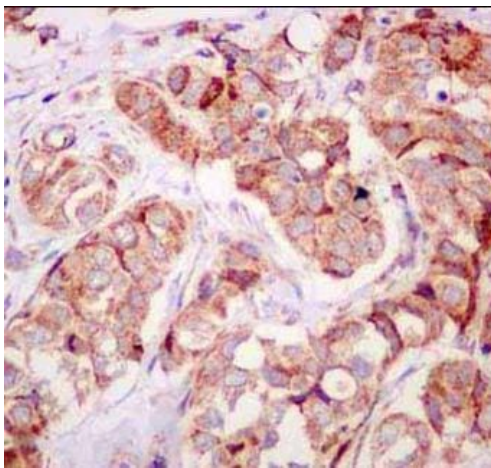
Western blot analysis of Hela cell lysate immunoprecipitated with ab180527. Detection utilised ab180527 at 1/40 dilution followed by Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution. The blocking buffer and dilution buffer was 5% NFDM/TBST.

Western blot - Anti-Spry-2 antibody [EPR4318(2)(B)]
(ab180527)



Immunocytochemistry/ Immunofluorescence - Anti-Spry-2 antibody [EPR4318(2)(B)] (ab180527)

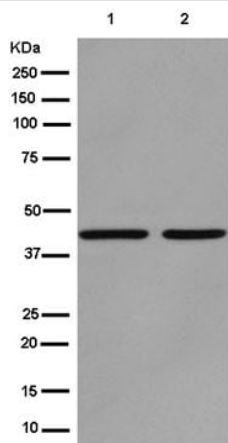
Immunofluorescence analysis of paraformaldehyde-fixed SH-SY5Y cells labeling Spry-2 with ab180527 at 1/1000 dilution. Goat anti-rabbit IgG (Dylight 488) at 1/250 dilution was used as the secondary antibody. The slide is counterstained with Dapi.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Spry-2 antibody [EPR4318(2)(B)] (ab180527)

Immunohistochemical analysis of paraffin-embedded Human breast carcinoma tissue labeling Spry-2 with ab180527 at 1/50 dilution. The retrieval buffer was 0.01 M Tris-EDTA (pH 9.0) and HIER was performed in a Decloaker (125°C, 30 sec, cool down to room temperature for 10-30 min). The slide is counterstained with Hematoxylin.

Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



Western blot - Anti-Spry-2 antibody [EPR4318(2)(B)]
(ab180527)

All lanes : Anti-Spry-2 antibody [EPR4318(2)(B)] (ab180527) at
1/10000 dilution

Lane 1 : HeLa cell lysate

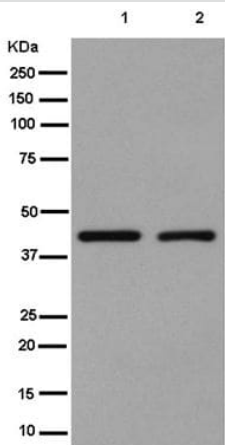
Lane 2 : SH-SY5Y cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at
1/1000 dilution

Predicted band size: 35 kDa



Western blot - Anti-Spry-2 antibody [EPR4318(2)(B)]
(ab180527)

All lanes : Anti-Spry-2 antibody [EPR4318(2)(B)] (ab180527) at
1/2000 dilution

Lane 1 : HT-29 cell lysate

Lane 2 : PC-3 cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at
1/1000 dilution

Predicted band size: 35 kDa

Why choose a
recombinant antibody?



**Research with
confidence**
Consistent and
reproducible results



**Long-term and
scalable supply**
Recombinant
technology



**Success from the
first experiment**
Confirmed
specificity



**Ethical standards
compliant**
Animal-free
production

Anti-Spry-2 antibody [EPR4318(2)(B)] (ab180527)

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

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- Response to your inquiry within 24 hours

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- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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