



## Product datasheet

### Anti-Sprouty 4/Spry-4 antibody ab262874

2 Images

#### Overview

<b>Product name</b>	Anti-Sprouty 4/Spry-4 antibody
<b>Description</b>	Rabbit polyclonal to Sprouty 4/Spry-4
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant fragment corresponding to Human Sprouty 4/Spry-4 aa 1-100. Database link: <a href="#">A0A0C4DFS6</a>
	 <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a>
<b>Positive control</b>	ICC/IF: PC-3 cells; WB: U-251 MG cell lysate.
<b>General notes</b>	<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&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), PBS
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

#### Applications

## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab262874 in the following tested applications.

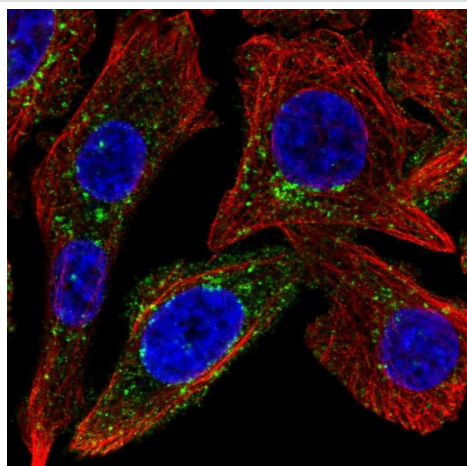
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use a concentration of 1 - 4 µg/ml. Fixation/Permeabilization: PFA/Triton X-100
WB		Use a concentration of 0.4 µg/ml.

## Target

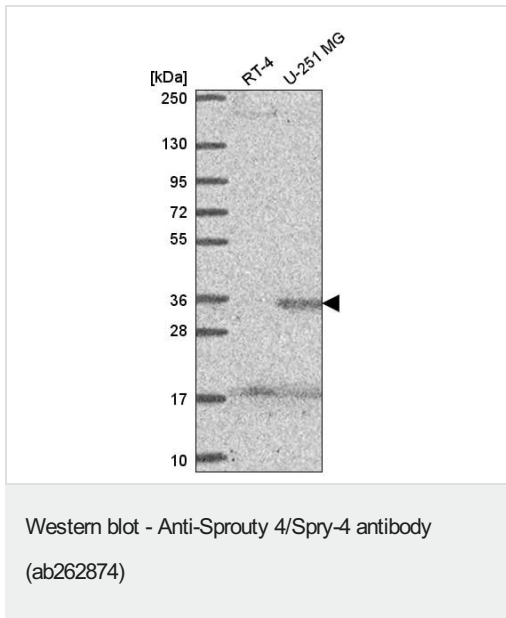
<b>Function</b>	Suppresses the insulin receptor and EGFR-transduced MAPK signaling pathway, but does not inhibit MAPK activation by a constitutively active mutant Ras. Probably impairs the formation of GTP-Ras.
<b>Sequence similarities</b>	Belongs to the sprouty family. Contains 1 SPR (sprouty) domain.
<b>Domain</b>	The Cys-rich domain is responsible for the localization of the protein to the membrane ruffles.
<b>Cellular localization</b>	Cytoplasm. Cell projection > ruffle membrane.

## Images



PFA-fixed, Triton X-100 permeabilized human PC-3 cells stained for Sprouty 4/Spry-4 (green) using ab262874 at 4 µg/ml in ICC/IF.

Immunocytochemistry/ Immunofluorescence - Anti-Sprouty 4/Spry-4 antibody (ab262874)



**All lanes :** Anti-Sprouty 4/Spry-4 antibody (ab262874) at 0.4 µg/ml

**Lane 1 :** RT-4 cell lysate

**Lane 2 :** U-251 MG cell lysate

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

### Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

### Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors