


## Product datasheet

# Anti-SCG10 antibody ab115513

[3 References](#) [3 Images](#)

### Overview

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<b>Product name</b>	Anti-SCG10 antibody
<b>Description</b>	Goat polyclonal to SCG10
<b>Host species</b>	Goat
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat, Chicken, Cow, Dog 
<b>Immunogen</b>	Synthetic peptide corresponding to Human SCG10 aa 1-100 (N terminal) (Cysteine residue). <a href="#">Run BLAST with ExpASY</a> <a href="#">Run BLAST with NCBI</a>
<b>Positive control</b>	Human brain (cortex) tissue and Small intestine (myenteric plexus) tissues; Human brain 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

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<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.
<b>Storage buffer</b>	pH: 7.3 Preservative: 0.02% Sodium azide Constituents: 0.5% BSA, 99% Tris buffered saline
<b>Purity</b>	Protein G purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab115513 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		Use a concentration of 0.1 - 1 µg/ml. Predicted molecular weight: 21 kDa.
IHC-P		Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

## Target

### Function

Is a key regulator of neurite extension through regulation of microtubule instability.

### Tissue specificity

Neuron specific.

### Sequence similarities

Belongs to the stathmin family.

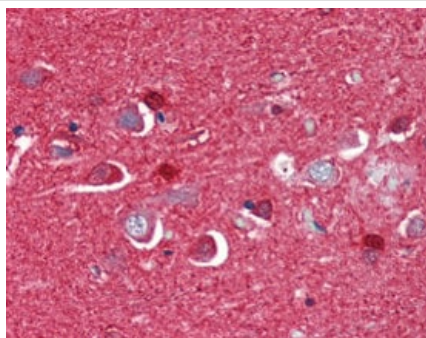
### Post-translational modifications

Sumoylated.

### Cellular localization

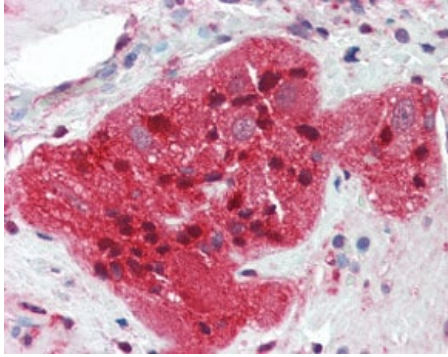
Cytoplasm. Cytoplasm > perinuclear region. Cell projection > growth cone. Membrane. Cell projection > axon. Associated with punctate structures in the perinuclear cytoplasm, axons, and growth cones of developing neurons. SCG10 exists in both soluble and membrane-bound forms.

## Images



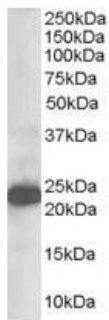
ab115513 at 5ug/ml staining SCG10 in Formalin-fixed, Paraffin-embedded Human brain (cortex) tissue by Immunohistochemistry followed by biotinylated secondary antibody, alkaline phosphatase-streptavidin and chromogen.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SCG10 antibody (ab115513)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SCG10 antibody (ab115513)

ab115513 at 5ug/ml staining SCG10 in Formalin-fixed, Paraffin-embedded Human small intestine (myenteric plexus) tissue  
Immunohistochemistry followed by biotinylated secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Western blot - Anti-SCG10 antibody (ab115513)

Anti-SCG10 antibody (ab115513) at 1 µg/ml + Human brain lysate (in RIPA buffer) at 35 µg

Developed using the ECL technique.

**Predicted band size:** 21 kDa

Primary incubation: 1 hour

**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.

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