

# Anti-AMIGO1 antibody [S86-36] ab167439

2 Images

### Overview

<b>Product name</b>	Anti-AMIGO1 antibody [S86-36]
<b>Description</b>	Mouse monoclonal [S86-36] to AMIGO1
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Rat, Human
<b>Immunogen</b>	Recombinant fragment within Human AMIGO1 aa 350-500. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please <b>contact</b> our Scientific Support team to discuss your requirements. (cytoplasmic C-terminus) Database link: <a href="#">Q80ZD8</a>
<b>Positive control</b>	WB: Rat brain membrane tissue lysate. ICC/IF: Neuroblastoma cell line SK-N-BE.
<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>	Preservative: 0.09% Sodium azide Constituents: PBS, 50% Glycerol (glycerin, glycerine)
<b>Purity</b>	Protein G purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	S86-36
<b>Isotype</b>	IgG1

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab167439 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. Detects a band of approximately 60-80 kDa (predicted molecular weight: 55 kDa).
ICC/IF		1/100.

## Target

### Function

Promotes growth and fasciculation of neurites from cultured hippocampal neurons. May be involved in fasciculation as well as myelination of developing neural axons. May have a role in regeneration as well as neural plasticity in the adult nervous system. May mediate homophilic as well as heterophilic cell-cell interaction and contribute to signal transduction through its intracellular domain.

### Sequence similarities

Belongs to the immunoglobulin superfamily. AMIGO family.  
Contains 1 Ig-like C2-type (immunoglobulin-like) domain.  
Contains 6 LRR (leucine-rich) repeats.  
Contains 1 LRRCT domain.  
Contains 1 LRRNT domain.

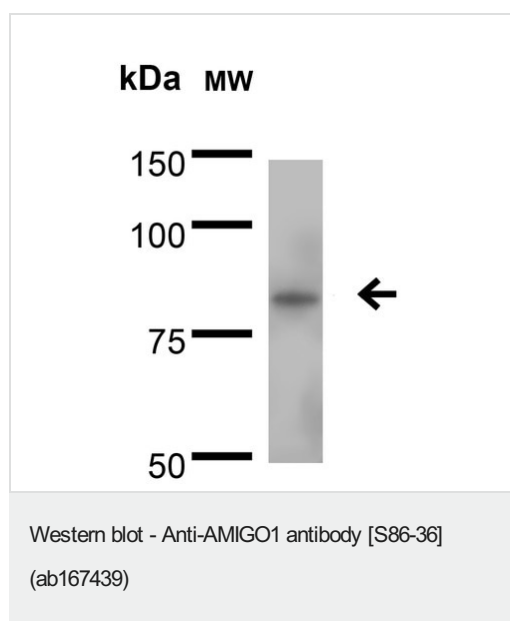
### Domain

The LRR repeat region mediates homodimerization.

### Cellular localization

Cell membrane. Cell projection > axon. Associated with axons of neuronal cells.

## Images



Anti-AMIGO1 antibody [S86-36] (ab167439) at 1/200 dilution + Rat brain membrane tissue lysate at 15 µg

### Secondary

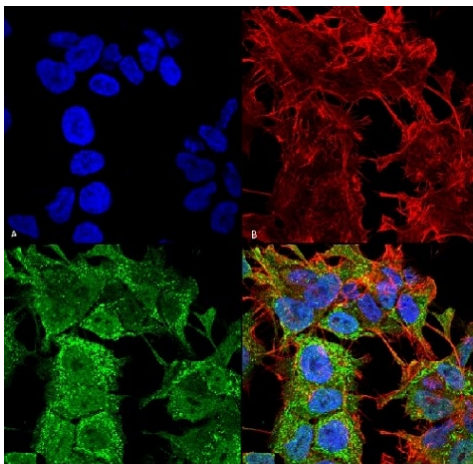
Goat Anti-Mouse IgG HRP at 1:1000 for 1 hour at RT

Developed using the ECL technique.

**Predicted band size:** 55 kDa

**Exposure time:** 6 minutes

Block: 2% BSA and 2% Skim Milk in 1X TBST.



Immunocytochemistry/ Immunofluorescence - Anti-AMIGO1 antibody [S86-36] (ab167439)

4% Formaldehyde-fixed SK-N-BE (Neuroblastoma cell line) cells stained for AMIGO1 (Green) using ab167439 at 1/100 dilution for 60 minutes at room temperature in ICC/IF analysis. Goat Anti-Mouse ATTO 488 was used as the secondary antibody at 1:100 for 60 min at RT. Phalloidin Texas Red F-Actin was used as a counterstain (red) at 1/1000 dilution for 60 minutes at room temperature. The nuclear counterstain was DAPI (Blue) at 1/5000 dilution for 5 minutes at room temperature.

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

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