


## Product datasheet

# Anti-NCAM1 antibody ab118291

★★★★☆ [2 Abreviews](#) [2 Images](#)

### Overview

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<b>Product name</b>	Anti-NCAM1 antibody
<b>Description</b>	Goat polyclonal to NCAM1
<b>Host species</b>	Goat
<b>Specificity</b>	ab118291 is expected to recognize reported isoform 2 (NP_851996.2) only.
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt, WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Rat, Cow, Pig 
<b>Immunogen</b>	Synthetic peptide: KASWTRPEKQETLD with a Cysteine residue linker, corresponding to internal sequence amino acids 353-366 of Human NCAM (NP_851996.2). <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
<b>Positive control</b>	WB: Human brain frontal cortex lysates. IHC: human adrenal gland tissue. Flow Cyt: U251 cells.
<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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 99% Tris buffered saline, 0.5% BSA
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	ab118291 is purified from Goat serum by ammonium sulphate precipitation followed by antigen

affinity chromatography using the immunizing peptide.

**Clonality**

Polyclonal

**Isotype**

IgG

**Applications**

**The Abpromise guarantee**

Our **Abpromise guarantee** covers the use of ab118291 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
Flow Cyt		Use a concentration of 10 µg/ml.
WB		Use a concentration of 0.01 - 0.03 µg/ml. Detects a band of approximately 170 kDa (predicted molecular weight: 94 kDa). A 1 hour primary incubation is recommended for this product. The observed molecular weight corresponds to the glycosylated form.
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**

This protein is a cell adhesion molecule involved in neuron-neuron adhesion, neurite fasciculation, outgrowth of neurites, etc.

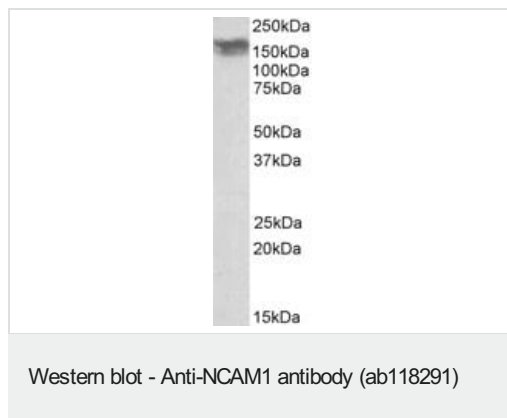
**Sequence similarities**

Contains 2 fibronectin type-III domains.  
Contains 5 Ig-like C2-type (immunoglobulin-like) domains.

**Cellular localization**

Secreted and Cell membrane.

**Images**



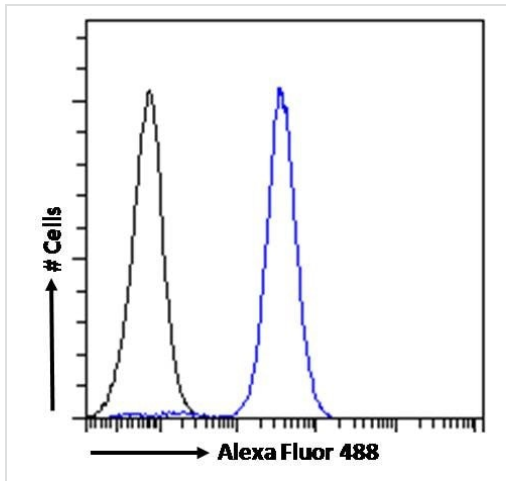
Anti-NCAM1 antibody (ab118291) at 0.01 µg/ml + Human frontal cortex lysate (in RIPA buffer) at 35 µg

Developed using the ECL technique.

**Predicted band size:** 94 kDa

**Observed band size:** 170 kDa

The observed molecular weight corresponds to the glycosylated form of the protein.



Flow Cytometry - Anti-NCAM1 antibody (ab118291)

Flow cytometric analysis of paraformaldehyde fixed U251 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10 µg/ml) followed by Alexa Fluor® 488 secondary antibody (1 µg/ml).

**IgG control:** Non-immunized goat IgG (black line) followed by Alexa Fluor 488® secondary antibody.

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

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- Replacement or refund for products not performing as stated on the datasheet
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- 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

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