


## Product datasheet

# Anti-NCAM1 antibody ab95153

★★★★★ 2 Abreviews 3 References 2 Images

### Overview

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<b>Product name</b>	Anti-NCAM1 antibody
<b>Description</b>	Rabbit polyclonal to NCAM1
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat <b>Predicted to work with:</b> Chinese hamster 
<b>Immunogen</b>	Synthetic peptide corresponding to Mouse NCAM1 aa 1050 to the C-terminus conjugated to keyhole limpet haemocyanin. (Peptide available as <a href="#">ab123829</a> )
<b>Positive control</b>	This antibody gave a positive signal in the following tissue lysates: Mouse Brain; Mouse Forebrain; Mouse Hippocampus; Rat Brain; Rat Cerebellum; Rat Forebrain.
<b>General notes</b>	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications &amp; species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications &amp; species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications &amp; species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.</p> <p>Applications &amp; species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.</p> <p>Please check that this product meets your needs before purchasing. 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, as well as 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 or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS
	Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

Our [Abpromise guarantee](#) covers the use of **ab95153** in the following tested applications.

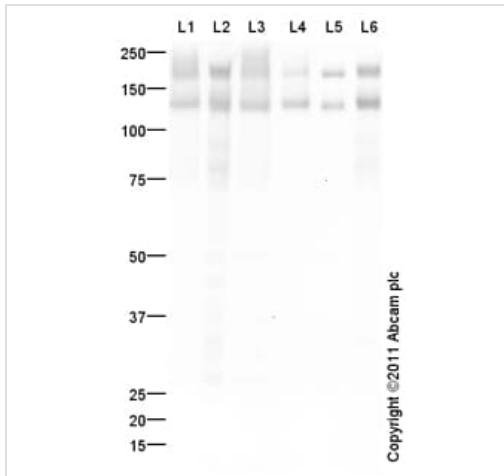
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P	★★★★★	Use a concentration of 1 µg/ml.
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 140,180 kDa (predicted molecular weight: 119 kDa).

## Target

<b>Function</b>	This protein is a cell adhesion molecule involved in neuron-neuron adhesion, neurite fasciculation, outgrowth of neurites, etc.
<b>Sequence similarities</b>	Contains 2 fibronectin type-III domains. Contains 5 Ig-like C2-type (immunoglobulin-like) domains.
<b>Cellular localization</b>	Secreted and Cell membrane.

## Images



Western blot - Anti-NCAM1 antibody (ab95153)

**All lanes :** Anti-NCAM1 antibody (ab95153) at 1 µg/ml

**Lane 1 :** Brain (Mouse) Tissue Lysate

**Lane 2 :** Forebrain (Mouse) Tissue Lysate

**Lane 3 :** Mouse Hippocampus Tissue Lysate

**Lane 4 :** Brain (Rat) Tissue Lysate

**Lane 5 :** Cerebellum Rat Tissue Lysate

**Lane 6 :** Rat Forebrain

Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) preadsorbed ([ab97080](#)) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

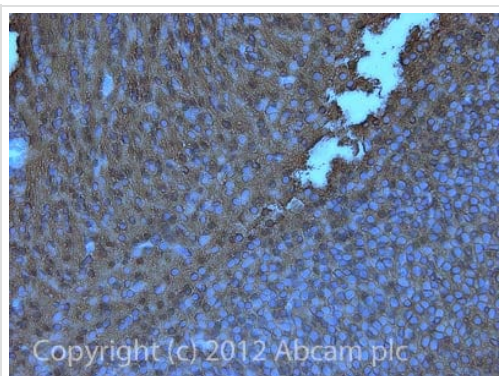
**Predicted band size:** 119 kDa

**Observed band size:** 140,180 kDa

[why is the actual band size different from the predicted?](#)

**Exposure time:** 30 seconds

This antibody recognises isoforms NCAM140 and NCAM180, at 140 and 180 kDa respectively. NCAM contains a number of potential glycosylation sites (SwissProt) which may explain its migration at a higher molecular weight than predicted. This banding pattern has been observed in the literature PMID:21389209. Abcam recommends using milk as the blocking agent. Abcam welcomes customer feedback and would appreciate any comments regarding this product and the data presented above.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NCAM1 antibody (ab95153)

IHC image of NCAM staining in Mouse foetal brain formalin fixed paraffin embedded tissue section, performed on a Leica Bond<sup>TM</sup> system using the standard protocol B. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab95153, 1 µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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

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