

## Product datasheet

# Anti-NEDD8 antibody ab194582

★★★★★ 1 Abreviews 2 Images

### Overview

<b>Product name</b>	Anti-NEDD8 antibody
<b>Description</b>	Rabbit polyclonal to NEDD8
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human <b>Predicted to work with:</b> Rabbit, Cow, Caenorhabditis elegans, Drosophila melanogaster
<b>Immunogen</b>	Recombinant full length protein corresponding to Human NEDD8 aa 1-81. Sequence: MLIKVKLTGKEIEIDIEPTDKVERIKERVEEKEGIPPQQRLI YSGKQM NDEKTAADYKILGGSVLHLVLALRGGGGLRQ

Database link: [Q15843](#)

[Run BLAST with](#)

[Run BLAST with](#)

### General notes

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.

Applications & 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.

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&As.

## 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. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 50% Glycerol, 49% PBS
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

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Our [Abpromise guarantee](#) covers the use of **ab194582** 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		1/500 - 1/2000. Predicted molecular weight: 9 kDa.
ICC/IF	★★★★★	1/50 - 1/200.

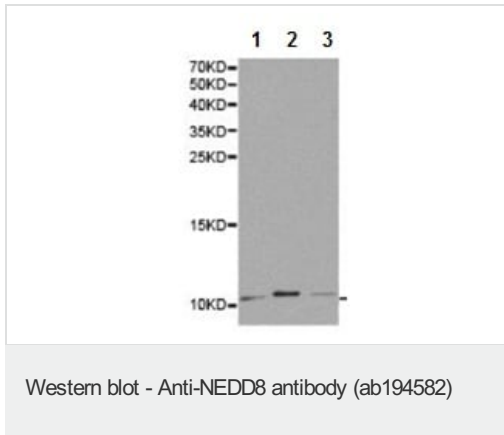
## Target

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<b>Function</b>	Ubiquitin-like protein which plays an important role in cell cycle control and embryogenesis. Covalent attachment to its substrates requires prior activation by the E1 complex UBE1C-APPBP1 and linkage to the E2 enzyme UBE2M. Attachment of NEDD8 to cullins activates their associated E3 ubiquitin ligase activity, and thus promotes polyubiquitination and proteasomal degradation of cyclins and other regulatory proteins.
<b>Tissue specificity</b>	Highly expressed in heart, skeletal muscle, spleen, thymus, prostate, testis, ovary, colon and leukocytes.
<b>Sequence similarities</b>	Belongs to the ubiquitin family.
<b>Post-translational modifications</b>	Cleavage of precursor form by UCHL3 or SENP8 is necessary for function.
<b>Cellular localization</b>	Nucleus. Mainly nuclear.

## Images

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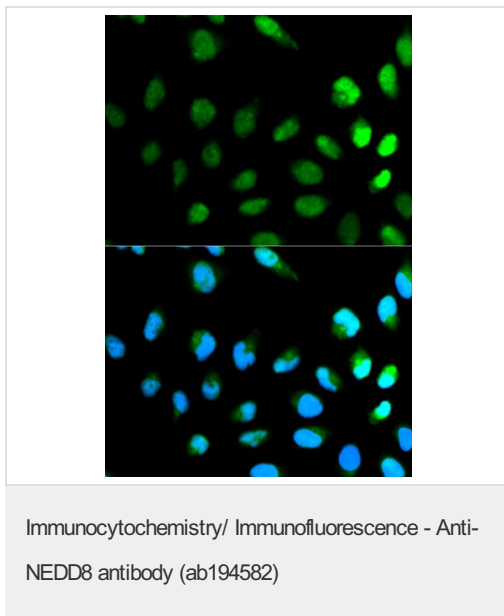
**All lanes** : Anti-NEDD8 antibody (ab194582) at 1/500 dilution

**Lane 1** : COS7 cell lysate

**Lane 2** : Jurkat cell lysate

**Lane 3** : Mouse brain lysate

**Predicted band size:** 9 kDa



Immunofluorescent analysis of HeLa cell labeling NEDD8 using ab194582 at a 1/50 dilution.

**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

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