


## Product datasheet

# Anti-NEDD4-2 (phospho S448) antibody [EPR8269(2)] ab168349

Recombinant RabMAb

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

### Overview

<b>Product name</b>	Anti-NEDD4-2 (phospho S448) antibody [EPR8269(2)]
<b>Description</b>	Rabbit monoclonal [EPR8269(2)] to NEDD4-2 (phospho S448)
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IP <b>Unsuitable for:</b> ICC/IF or IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat 
<b>Immunogen</b>	Synthetic peptide corresponding to Human NEDD4-2 (phospho S448). Corresponding to residues surrounding Serine 448. Database link: <a href="#">Q96PU5</a>
<b>Positive control</b>	293T cell lysate.
<b>General notes</b>	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"><li>- High batch-to-batch consistency and reproducibility</li><li>- Improved sensitivity and specificity</li><li>- Long-term security of supply</li><li>- Animal-free production</li></ul> For more information <a href="#">see here</a> . Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> .

### 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>	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant

<b>Purity</b>	Tissue culture supernatant
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR8269(2)
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab168349 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
<b>WB</b>		1/1000 - 1/5000. Detects a band of approximately 110-135 kDa (predicted molecular weight: 112 kDa).
<b>IP</b>		1/10 - 1/100.

**Application notes** Is unsuitable for ICC/IF or IHC-P.

## Target

**Function** E3 ubiquitin-protein ligase which accepts ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates. Inhibits TGF-beta signaling by triggering SMAD2 and TGFBR1 ubiquitination and proteasome-dependent degradation. Promotes ubiquitination and internalization of various plasma membrane channels such as ENaC, Nav1.2, Nav1.3, Nav1.5, Nav1.7, Nav1.8, Kv1.3, EAAT1 or CLC5. Promotes ubiquitination and degradation of SGK1 and TNK2.

**Tissue specificity** Ubiquitously expressed, with highest levels in prostate, pancreas and kidney.

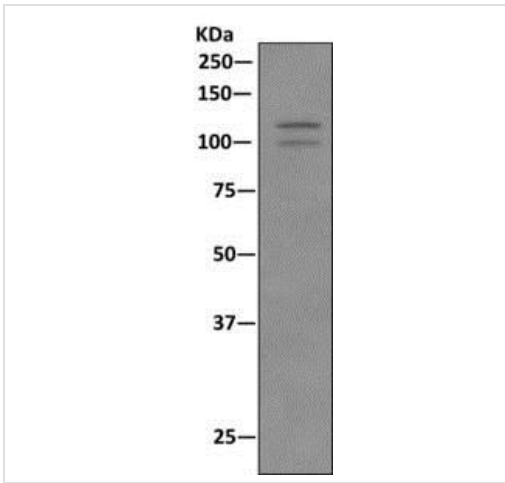
**Pathway** Protein modification; protein ubiquitination.

**Sequence similarities** Contains 1 C2 domain.  
Contains 1 HECT (E6AP-type E3 ubiquitin-protein ligase) domain.  
Contains 4 WW domains.

**Post-translational modifications** Phosphorylated by SGK1 or PKA; which impairs interaction with SCNN. Interaction with YWHAH inhibits dephosphorylation.  
Auto-ubiquitinated.

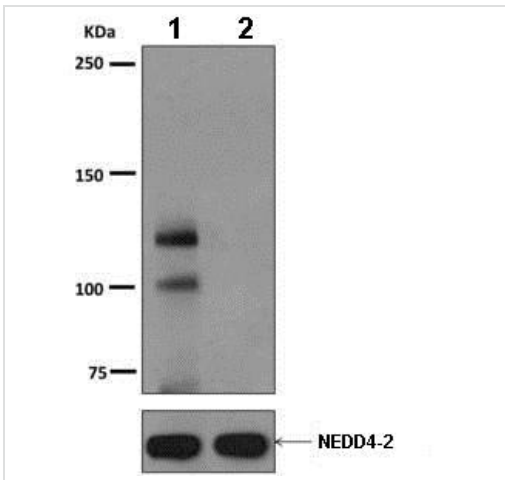
**Cellular localization** Cytoplasm. May be recruited to exosomes by NDFIP1.

## Images



Immunoprecipitation - Anti-NEDD4-2 (phospho S448) antibody [EPR8269(2)] (ab168349)

Detection of NEDD4-2 by Western Blot of Immunoprecipitate. 293T cell lysate immunoprecipitated using ab168349 at 1/10 dilution. HRP-conjugated anti-rabbit IgG preferentially detecting the non-reduced form of rabbit IgG.



Western blot - Anti-NEDD4-2 (phospho S448) antibody [EPR8269(2)] (ab168349)

**All lanes :** Anti-NEDD4-2 (phospho S448) antibody [EPR8269(2)] (ab168349) at 1/1000 dilution

**Lane 1 :** 293T cell lysate, untreated

**Lane 2 :** 293T cell lysate, treated with Lambda Phosphatase

Lysates/proteins at 10 µg per lane.

**Predicted band size:** 112 kDa

**Additional bands at:** 110-135 kDa. We are unsure as to the identity of these extra bands.

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-NEDD4-2 (phospho S448) antibody  
[EPR8269(2)] (ab168349)

**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

---

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