

## Product datasheet

# Anti-NEDD4-2 antibody ab58093

4 References [画像数 2](#)

### 製品の概要

製品名	Anti-NEDD4-2 antibody
製品の詳細	Mouse monoclonal to NEDD4-2
由来種	Mouse
アプリケーション	<b>適用あり:</b> WB, IP, IHC-P
種交差性	<b>交差種:</b> Human
免疫原	Recombinant fragment: MATGLGEPVY GLSEDEGESR ILRVKVVSGI DLAKKDIFGA SDPYVKLSLY VADENRELAL VQTKTIKKTL NPKWNEEFYF RVNPSNHRL L FEVFDENRLT , corresponding to amino acids 1-100 of Human NEDD4-2 <a href="#">Run BLAST with ExPASy</a> <a href="#">Run BLAST with NCBI</a>

### 特記事項

Abcam is committed to meeting high standards of ethical manufacturing and has decided to discontinue this product by June 2019 as it has been generated by the ascites method. We are sorry for any inconvenience this may cause. We would recommend antibody [ab131167](#) as a replacement.

### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
バッファー	Preservative: None PBS, pH 7.2
精製度	Protein G purified
ポリ/モノ	モノクローナル
アイソタイプ	IgG2a
軽鎖の種類	kappa

### アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab58093** in the following tested applications.

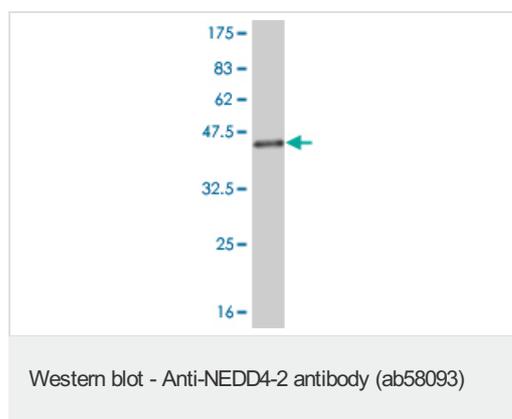
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
WB		Use a concentration of 1 - 5 µg/ml.
IP		Use at an assay dependent concentration. PubMed: 19617352
IHC-P		Use a concentration of 1 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

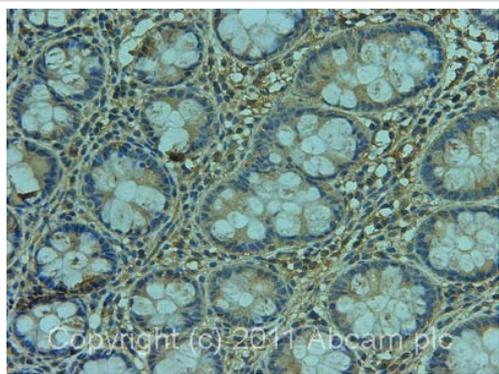
## ターゲット情報

機能	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.
組織特異性	Ubiquitously expressed, with highest levels in prostate, pancreas and kidney.
パスウェイ	Protein modification; protein ubiquitination.
配列類似性	Contains 1 C2 domain. Contains 1 HECT (E6AP-type E3 ubiquitin-protein ligase) domain. Contains 4 WW domains.
翻訳後修飾	Phosphorylated by SGK1 or PKA; which impairs interaction with SCNN. Interaction with YWHAH inhibits dephosphorylation. Auto-ubiquitinated.
細胞内局在	Cytoplasm. May be recruited to exosomes by NDFIP1.

## 画像



Western blot against tagged recombinant protein immunogen using ab58093 NEDD4-2 antibody at 1ug/ml. Predicted band size of immunogen is 34 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NEDD4-2 antibody (ab58093)

IHC image of ab58093 staining in normal human colon formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. 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 ab58093, 1µg/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.

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