abcam

Product datasheet

Anti-NEDD4-2 antibody ab58093

4 References 2 图像

概述

产品名称	Anti-NEDD4-2抗体
描述	小鼠单克隆抗体to NEDD4-2
宿主	Mouse
经测试应用	**适用于:** WB, IP, IHC-P
种属反应性	**与反应:** Human
免疫原	Recombinant fragment: MATGLGEPVY GLSEDEGESR ILRVKVVSGI DLAKKDIFGA SDPYVKLSLY VADENRELAL VQTKTIKKTL NPKWNEEFYF RVNPSNHRLL FEVFDENRLT , corresponding to amino acids 1-100 of Human NEDD4-2 Run BLAST with ExPASy Run BLAST with NCBI
常规说明	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.

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: None PBS, pH 7.2
纯度	Protein G purified
克隆	单克隆
同种型	IgG2a
轻链类型	kappa

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab58093于以下的经测试应用**

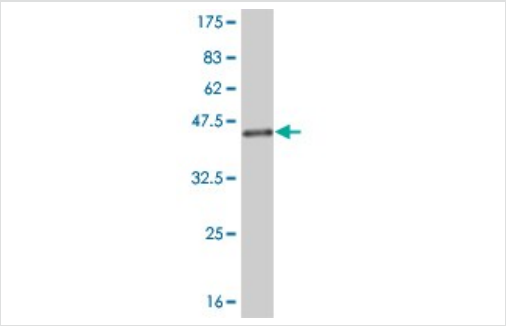
"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
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.

靶标

功能	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.
组织特异性	Ubiquitously expressed, with highest levels in prostate, pancreas and kidney.
通路	Protein modification; protein ubiquitination.
序列相似性	Contains 1 C2 domain. Contains 1 HECT (E6AP-type E3 ubiquitin-protein ligase) domain. Contains 4 WW domains.
翻译后修饰	Phosphorylated by SGK1 or PKA; which impairs interaction with SCNN. Interaction with YWHAH inhibits dephosphorylation. Auto-ubiquitinated.
细胞定位	Cytoplasm. May be recruited to exosomes by NDFIP1.

图片



Western blot - Anti-NEDD4-2 antibody (ab58093)

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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