


Anti-Ndfip1 antibody ab236892

4 图像

概述

产品名称	Anti-Ndfip1抗体
描述	兔多克隆抗体to Ndfip1
宿主	Rabbit
经测试应用	适用于: IHC-P, WB, ICC/IF
种属反应性	与反应: Human 预测可用于: Mouse, Rat 
免疫原	Recombinant fragment corresponding to Human Ndfip1 aa 2-116. Database link: Q9BT67
阳性对照	WB: HEK-293T and HeLa whole cell lysate (ab150035). IHC-P: Human breast cancer and adrenal gland tissue. ICC/IF: HEK-293 cells.
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>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, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	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.
存储溶液	pH: 7.40 Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol (glycerin, glycerine), PBS
纯度	Protein G purified
纯化说明	Purity >95%.
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee

Abpromise™ 承诺保证使用 ab236892 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
IHC-P		1/20 - 1/200.
WB		1/500 - 1/2000. Predicted molecular weight: 25 kDa.
ICC/IF		1/50 - 1/200.

靶标

功能

Activates HECT domain-containing E3 ubiquitin-protein ligases, including NEDD4 and ITCH, and consequently modulates the stability of their targets. As a result, controls many cellular processes. Prevents chronic T-helper cells-mediated inflammation by activating ITCH and thus controlling JUNB degradation (By similarity). In cortical neurons, mediates the ubiquitination of SLC11A2/DMT1 by NEDD4L, leading to down-regulation of the divalent metal transporter and protection of the cells from cobalt and iron toxicity. Modulates EGFR signaling through multiple pathways. In particular, may regulate the ratio of AKT1-to-MAPK8 signaling in response to EGF, acting on AKT1 probably through PTEN destabilization and on MAPK8 through ITCH-dependent MAP2K4 inactivation. As a result, may control cell growth rate.

组织特异性

Widely expressed. Higher levels are detected in cerebellum, pituitary, thalamus, kidney, liver, testis, salivary glands and placenta. Also expressed in fetal brain, kidney and lung.

结构域

The PY (WW-binding) motifs are required for E3 ubiquitin-protein ligase binding and activation and for ubiquitination.

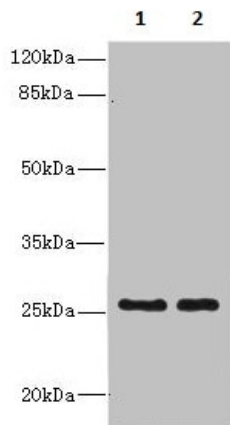
翻译后修饰

Ubiquitinated by NEDD4 and ITCH; mono-, di- and polyubiquitinated forms are detected. Ubiquitination regulates its degradation. Undergoes transient tyrosine phosphorylation following EGF stimulation, most probably by catalyzed by SRC. Phosphorylation SRC is enhanced in the presence of NDFIP2 which may act as a scaffold to recruit SRC to NDFIP1.

细胞定位

Endosome membrane. Golgi apparatus membrane. Secreted. Detected in exosomes and secreted via the exosomal pathway.

图片



Western blot - Anti-Ndfip1 antibody (ab236892)

All lanes : Anti-Ndfip1 antibody (ab236892) at 1/500 dilution

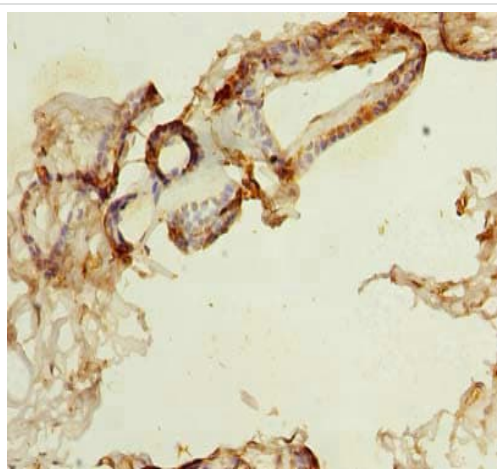
Lane 1 : HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate

Lane 2 : HeLa (human epithelial cell line from cervix adenocarcinoma) whole cell lysate

Secondary

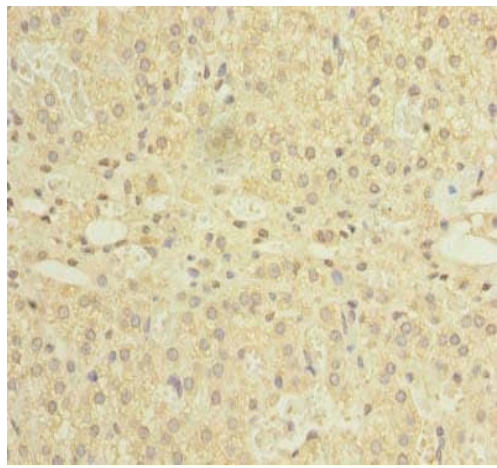
All lanes : Goat polyclonal to rabbit IgG at 1/10000 dilution

Predicted band size: 25 kDa



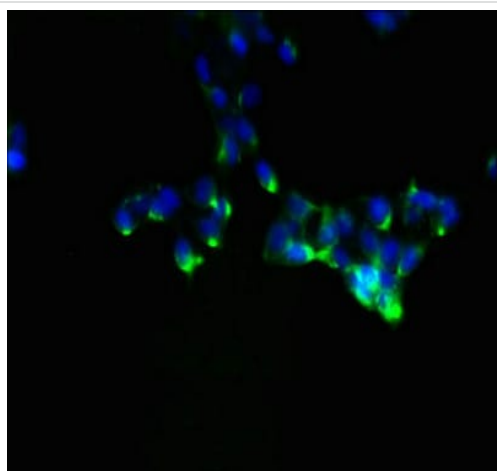
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Ndfip1 antibody (ab236892)

Paraffin-embedded human breast cancer tissue stained for Ndfip1 using ab236892 at 1/100 dilution in immunohistochemical analysis.



Paraffin-embedded human adrenal gland tissue stained for Ndfip1 using ab236892 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Ndfip1 antibody (ab236892)



HEK-293 (human epithelial cell line from embryonic kidney) cells labeling Ndfip1 using ab236892 at 1/100 dilution in ICC/IF, followed by Alexa Fluor[®] 488-copnjugated goat anti-rabbit IgG (H+L) secondary antibody.

Immunocytochemistry/ Immunofluorescence - Anti-Ndfip1 antibody (ab236892)

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.cn/abpromise> or contact our technical team.

Terms and conditions

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