NDFIP1 Antibody

PACO42094

Product Information

Size:

50ug

Reactivity:

Human

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IHC, IF

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:500-1:2000, IHC:1:20-1:200, IF:1:50-1:200

Protein Background:

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. 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. Enhances the ubiquitination of BRAT1 mediated by E3 ubiquitin-protein ligases: NEDD4, NEDD4L and ITCH, and is required for the nuclear localization of ubiquitinated BRAT1.

Gene ID:

NDFIP1

Uniprot

Q9BT67

Synonyms:

NEDD4 family-interacting protein 1 (Breast cancer-associated protein SGA-1M) (NEDD4 WW domain-binding protein 5) (Putative MAPK-activating protein PM13) (Putative NF-kappa-B-activating protein 164) (Putative NFKB and MAPK-activating protein), NDFIP1, N4WBP5

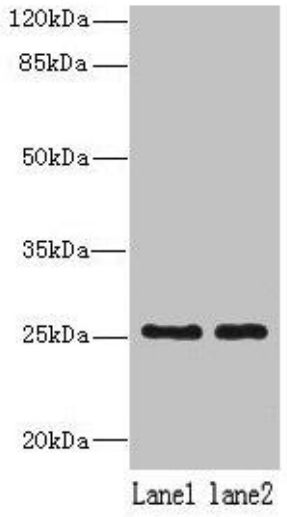
Immunogen:

Recombinant Human NEDD4 family-interacting protein 1 protein (2-116AA).

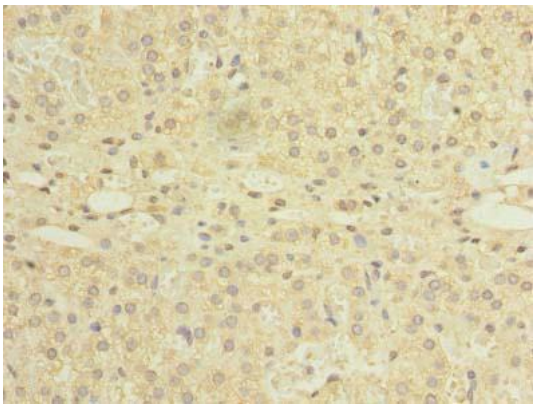
Storage:

Preservative: 0.03% Proclin 300. Constituents: 50% Glycerol, 0.01M PBS, PH 7.4

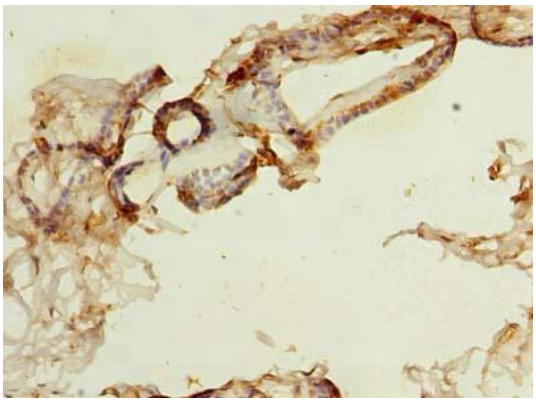
Product Images



Western blot. All lanes: NDFIP1 antibody at 8µg/ml. Lane 1: 293T whole cell lysate. Lane 2: Hela whole cell lysate. Secondary. Goat polyclonal to rabbit IgG at 1/10000 dilution. Predicted band size: 25, 17 kDa. Observed band size: 25 kDa.



Immunohistochemistry of paraffin-embedded human adrenal gland tissue using PACO42094 at dilution of 1:100.



Immunohistochemistry of paraffin-embedded human breast cancer using PACO42094 at dilution of 1:100.