

NDFIP1 Antibody

Catalog No: #35199

Package Size: #35199-1 50ul #35199-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

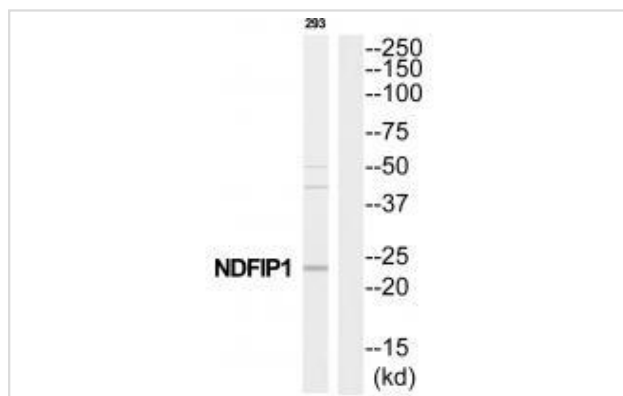
Description

Product Name	NDFIP1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total NDFIP1 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from C-terminal of human NDFIP1.
Target Name	NDFIP1
Other Names	Breast cancer-associated protein SGA-1M; MGC10924; N4WBP5; NDFIP1; Nedd4 family interacting protein 1
Accession No.	Swiss-Prot: Q9BT67NCBI Gene ID: 80762
Uniprot	Q9BT67
GeneID	80762;
SDS-PAGE MW	25kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500~1:3000

Images



Western blot analysis of extracts from 293 cells, using NDFIP1 antibody #35199.

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. 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.

Petroziello J.M., Submitted (DEC-2002) to the EMBL/GenBank/DDBJ databases.

Matsuda A., Oncogene 22:3307-3318(2003).

Otsuki T., DNA Res. 12:117-126(2005).

Note: This product is for in vitro research use only