

Datasheet for ABIN7180214
anti-NDFIP1 antibody (C-Term)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	NDFIP1
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NDFIP1 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB)

Product Details

Immunogen:	Synthesized peptide derived from C-terminal of Human NDFIP1.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Target Details

Target:	NDFIP1
Alternative Name:	NDFIP1 (NDFIP1 Products)
Background:	Background: Activates HECT domain-containing E3 ubiquitin-protein ligases, including NEDD4

Target Details

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).

Aliases: 0610010M22Rik antibody, Breast cancer associated protein SGA 1M antibody, Breast cancer-associated protein SGA-1M antibody, MGC10924 antibody, N4WBP5 antibody, Ndfip1 antibody, Nedd4 family interacting protein 1 antibody, NEDD4 family-interacting protein 1 antibody, NEDD4 WW domain binding protein 5 antibody, NEDD4 WW domain-binding protein 5 antibody, NFIP1_HUMAN antibody, Putative MAPK activating protein PM13 antibody, Putative MAPK-activating protein PM13 antibody, Putative NF kappa B activating protein 164 antibody, Putative NF-kappa-B-activating protein 164 antibody, Putative NFKB and MAPK activating protein antibody, Putative NFKB and MAPK-activating protein antibody

UniProt: [Q9BT67](#)

Pathways: [Transition Metal Ion Homeostasis](#), [Regulation of Leukocyte Mediated Immunity](#), [Production of Molecular Mediator of Immune Response](#), [Negative Regulation of Transporter Activity](#)

Application Details

Application Notes: WB:1:500-1:3000,

Restrictions: For Research Use only

Handling

Format: Liquid

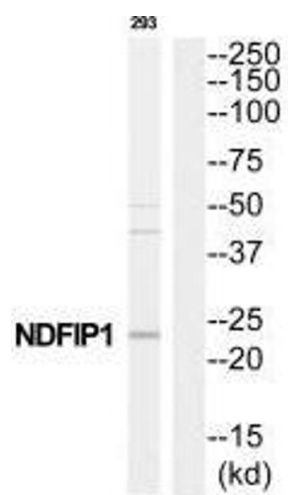
Buffer: Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

Preservative: Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Western Blotting

Image 1. Western blot analysis of extracts from 293 cells, using NDFIP1 antibody.