

## anti- NDFIP1 antibody

### Product Information

Catalog No.:	FNab05602
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

### 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(PubMed:19706893). 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(PubMed:20534535). Enhances the ubiquitination of BRAT1 mediated by E3 ubiquitin-protein ligases: NEDD4, NEDD4L and ITCH, and is required for the nuclear localization of ubiquitinatedBRAT1(PubMed:25631046).

### Immunogen information

Immunogen:	Nedd4 family interacting protein 1
Synonyms:	N4WBP5
Observed MW:	30 kDa
UniprotID :	Q9BT67

### Wuhan Fine Biotech Co., Ltd.

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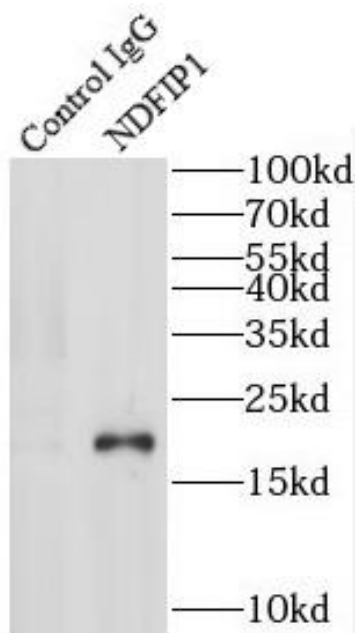
## Application

Reactivity: Human, Mouse, Rat

Tested Application: ELISA, IP, WB, IF

Recommended dilution: WB: 1:500-1:2000; IP: 1:200-1:1000; IF: 1:20-1:200

Image:



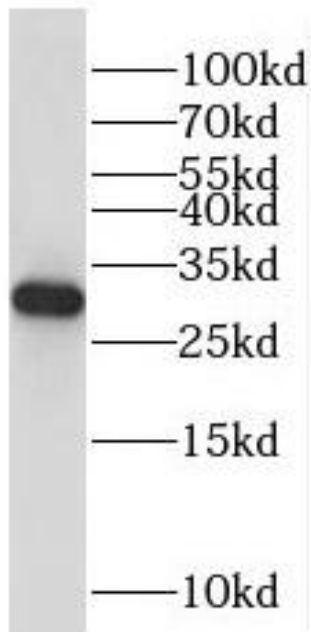
IP Result of anti-NDFIP1 (IP:FNab05602, 3ug;  
Detection:FNab05602 1:300) with HEK-293 cells  
lysate 3200ug.

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HEK-293 cells were subjected to SDS PAGE followed by western blot with FNab05602( NDFIP1 Antibody) at dilution of 1:300