

For Research Use Only

# NDFIP1 Polyclonal antibody

Catalog Number: 15602-1-AP

4 Publications



## Basic Information

### Catalog Number:

15602-1-AP

### Size:

150ul, Concentration: 600 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG7985

### GenBank Accession Number:

BC004317

### GeneID (NCBI):

80762

### UNIPROT ID:

Q9BT67

### Full Name:

Nedd4 family interacting protein 1

### Calculated MW:

25 kDa

### Observed MW:

25-30 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC, IF, IP

### Species Specificity:

human, mouse, rat

### Cited Species:

human, rat

### Positive Controls:

WB : HEK-293 cells, HeLa cells, SH-SY5Y cells

IP : HEK-293 cells,

IF/ICC : HEK-293 cells,

## Background Information

Ndfip1 is an adaptor protein for the Nedd4 family of ubiquitin ligases and has been found to be upregulated in neurons after brain injury, including head trauma, stroke and metal toxicity. Recent studies confirmed the role of Ndfip1 as a regulator of iron metabolism and pointed out that Ndfip1 was involved in iron homeostasis by regulating the degradation of iron importer divalent metal transporter 1. Ndfip1 is a transmembrane protein that is localized to the Golgi and post-Golgi vesicles such as endosomes. It is an adaptor protein that recruits E3 ligases to ubiquitinate target proteins. It is ubiquitously expressed and contains 2 PY motifs, which interact with several Nedd4 family E3s to degrade proteins.

## Notable Publications

Author	Pubmed ID	Journal	Application
Juan F Linares	34560002	Mol Cell	IP
Yongjian Li	35264565	Cell Death Discov	WB,IF,IP
Weiting Gu	39891847	J Neurooncol	WB,IHC,IF

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

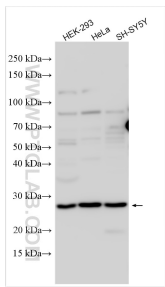
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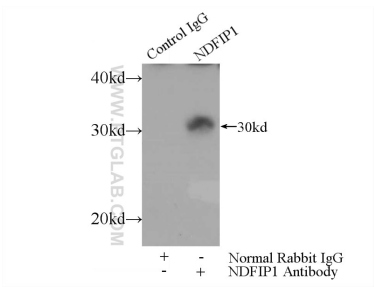
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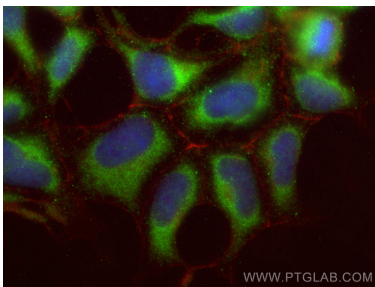
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 15602-1-AP (NDFIP1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-NDFIP1 (IP:15602-1-AP, 3ug; Detection:15602-1-AP 1:300) with HEK-293 cells lysate 3200ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using NDFIP1 antibody (15602-1-AP) at dilution of 1:200 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red).