

For Research Use Only

NDFIP1 Polyclonal antibody

Catalog Number: 15602-1-AP **2 Publications**



Basic Information

Catalog Number: 15602-1-AP	GenBank Accession Number: BC004317	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 227 µg/ml by Nanodrop and 227 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 80762	Recommended Dilutions: WB 1:200-1:1000 IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
Source: Rabbit	Full Name: Nedd4 family interacting protein 1	IF 1:20-1:200
Isotype: IgG	Calculated MW: 25 kDa	
Immunogen Catalog Number: AG7985	Observed MW: 30 kDa	

Applications

Tested Applications: IF, IP, WB, ELISA	Positive Controls: WB : HEK-293 cells,
Cited Applications: IF, IP, WB	IP : HEK-293 cells,
Species Specificity: human, mouse, rat	IF : HEK-293 cells,
Cited Species: human	

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

Storage

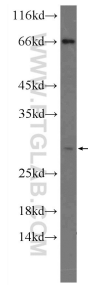
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

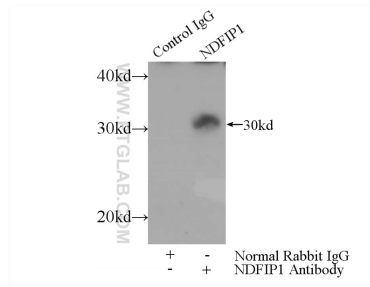
For technical support and original validation data for this product please contact:
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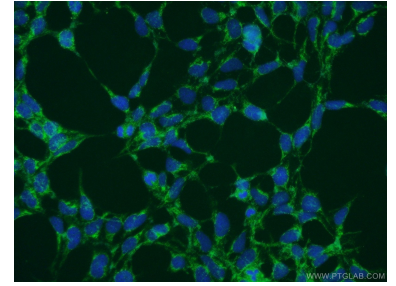
Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 15602-1-AP (NDFIP1 Antibody) at dilution of 1:300 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 HEK-293 cells using 15602-1-AP (NDFIP1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).