

For Research Use Only

DCUN1D5 Polyclonal antibody

Catalog Number:14810-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number:

14810-1-AP

Size:

300 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6534

GenBank Accession Number:

BC004169

GeneID (NCBI):

84259

UNIPROT ID:

Q9BTE7

Full Name:

DCN1, defective in cullin neddylation 1, domain containing 5 (S. cerevisiae)

Calculated MW:

28 kDa

Observed MW:

28 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg 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

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB : HeLa cells, HEK-293 cells, mouse brain tissue, rat spleen tissue, U-937 cells

IP : HeLa cells,

IF/ICC : HeLa cells,

Background Information

Conjugation of Nedd8 to a cullin protein, termed neddylation, is an evolutionarily conserved process that functions to activate the cullin-RING family E3 ubiquitin ligases, leading to increased proteasomal degradation of a wide range of substrate proteins. Cellular neddylation requires the action of DCN1 (Defective in cullin neddylation protein 1), which, in humans, consists of five homologues designated as DCNL1-5. DCUN1D5 gene encodes the 28 kDa DCUN1 domain-containing protein 5 containing a C-terminal potentiating neddylation domain. The cellular function of DCUN1D5 needs to be explored, recently, a mono-ubiquitination-mediated mechanism that governs nuclear-cytoplasmic trafficking of hDCNL1, was reported to regulate hDCNL1-dependent activation of the cullin-RING E3 ubiquitin ligases in selected cellular compartments.

Notable Publications

Author	Pubmed ID	Journal	Application
Kate E Coleman	28475037	Elife	WB
Guo Wei W	23098533	Asian Pac J Cancer Prev	WB,IHC
Yuxiang Lin	38831379	Biol Direct	WB,IHC

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

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

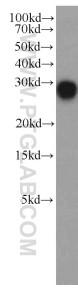
T: 4006900926

E: Proteintech-CN@ptglab.com

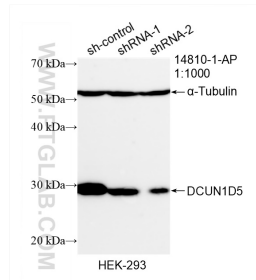
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

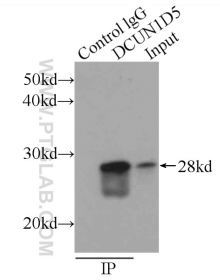
Selected Validation Data



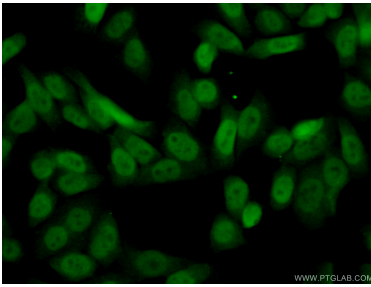
HeLa cells were subjected to SDS PAGE followed by western blot with 14810-1-AP (DCUN1D5 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



WB result of DCUN1D5 antibody (14810-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-DCUN1D5 transfected HEK-293 cells.



IP result of anti-DCUN1D5 (IP:14810-1-AP, 3ug; Detection:14810-1-AP 1:800) with HeLa cells lysate 1840ug.



Immunofluorescent analysis of (10% Formaldehyde) fixed HeLa cells using 14810-1-AP (DCUN1D5 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).