

For Research Use Only

DTL Polyclonal antibody

Catalog Number: 12896-1-AP

3 Publications



Basic Information

Catalog Number:

12896-1-AP

Size:

150ul, Concentration: 200 ug/ml by Nanodrop and 133 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3589

GenBank Accession Number:

BC033540

GeneID (NCBI):

51514

UNIPROT ID:

Q9NZJ0

Full Name:

denticleless homolog (Drosophila)

Calculated MW:

730 aa, 79 kDa

Observed MW:

79 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:200-1:1000

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, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB: HeLa cells, L02 cells, MCF-7 cells

IP: mouse testis tissue,

IF/ICC: HeLa cells,

Background Information

CDT2, also named as L2DTL or RAMP, is one of the substrate receptors of the Cullin Ring Ubiquitin Ligase 4 that targets for ubiquitin mediated degradation a number of substrates, such as CDT1, p21 and CHK1, involved in the regulation of cell cycle and survival. CDT2 overexpression was reported in breast (PMID: 18542055), gastric (PMID: 19672268) and ovarian carcinomas (PMID: 23995842) and rhabdomyosarcomas (PMID: 19235922) and associated with the aggressiveness of hepatocellular carcinomas (PMID: 17106265).

Notable Publications

| Author | Pubmed ID | Journal | Application |
|---------------|-----------|------------|-------------|
| Chunxia Zhang | 35108058 | Sci Adv | IF |
| Yanhui Lin | 38131461 | Dev Dyn | |
| Chengli Yu | 36843329 | Proteomics | WB |

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

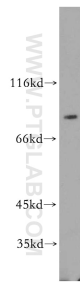
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

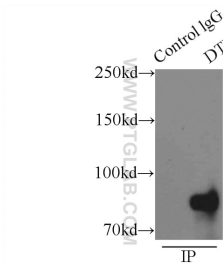
E: proteintech@ptglab.com
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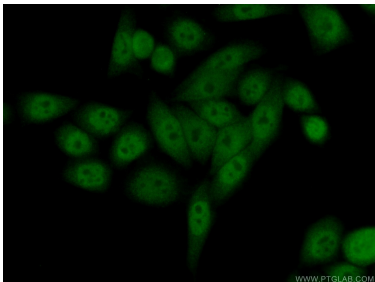
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 12896-1-AP (DTL antibody) at dilution of 1:200 incubated at room temperature for 1.5 hours.



IP result of anti-DTL (IP:12896-1-AP, 3ug; Detection:12896-1-AP 1:500) with mouse testis tissue lysate 8000ug.



Immunofluorescent analysis of (10% Formaldehyde) fixed HeLa cells using 12896-1-AP (DTL antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).