

TELO2

Polyclonal ANTIBODY

Catalog Number: 15975-1-AP

Featured Product

7 Publications

Basic Information

Catalog Number:
15975-1-AP

Size:
50 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:
AC3763

GenBank Accession Number:
BC017188

GeneID (NCBI):
9894

Full Name:
TEL2, telomere maintenance 2, homolog (S. cerevisiae)

Calculated MW:
837aa, 92 kDa

Observed MW:
92 kDa

Recommended Dilutions:

WB 1:500-1:3000

IP 0.5-4.0 µg for IP and 1:500-1:2000 for WB

IHC 1:50-1:500

IF 1:10-1:100

Applications

Tested Applications:
IF, IHC, IP, WB, ELISA

Cited Applications:
IP, WB

Species Specificity:
human

Cited Species:
human, mouse, rat

Positive Controls:

WB : Y79 cells; A431 cells

IP : Y79 cells;

IHC : human testis tissue;

IF : HepG2 cells;

Background Information

TELO2 gene encodes a telomere length regulation protein TEL2 homolog. TELO2 may be involved in telomere length regulation and can form TTT complex with TTI1 and TTI2. TTT complex is required to stabilize protein levels of PIKK family proteins and is involved in the cellular resistance to DNA damage stresses, like ionizing radiation (IR), ultraviolet (UV) and mitomycin C (MMC). The activity of mTORC1 and mTORC2 complexes, which regulate cell growth and survival in response to nutrient and hormonal signals, can be promoted, stabilized and maintained by TELO2.

Notable Publications

Author	Pubmed ID	Journal	Application
Miguel Baena	25463011	Biochim Biophys Acta	WB
Jing You	27132593	Am J Hum Genet	WB
Sang Gyun Kim	23142078	Mbl Cell	WB

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

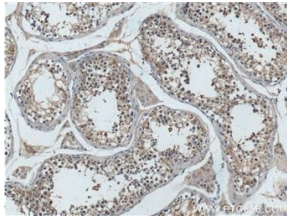
For technical support and original validation data for this product please contact:

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

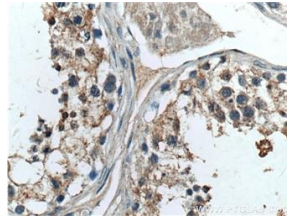
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



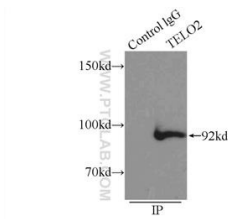
Immunohistochemistry of paraffin-embedded human testis tissue slide using 15975-1-AP(TELO2 antibody) at dilution of 1:100 (under 10x lens).



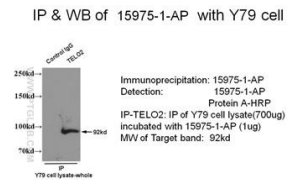
Immunohistochemistry of paraffin-embedded human testis tissue slide using 15975-1-AP(TELO2 antibody) at dilution of 1:100 (under 40x lens).



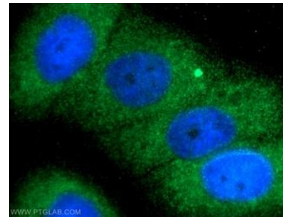
Y79 cells were subjected to SDS PAGE followed by western blot with 15975-1-AP(TELO2 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours



IP Result of anti-TELO2 (IP:15975-1-AP, 3ug; Detection: 15975-1-AP 1:1000) with Y79 cells lysate 2000ug.



IP result of TELO2 antibody (15975-1-AP for IP and Detection) with Y79 cell lysate.



Immunofluorescent analysis of HepG2 cells using 15975-1-AP(TELO2 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)