

For Research Use Only

TELO2 Polyclonal antibody

Catalog Number: 15975-1-AP

Featured Product

16 Publications



Basic Information

Catalog Number:

15975-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8763

GenBank Accession Number:

BC017188

GeneID (NCBI):

9894

UNIPROT ID:

Q9Y4R8

Full Name:

TEL2, telomere maintenance 2, homolog (S. cerevisiae)

Calculated MW:

837 aa, 92 kDa

Observed MW:

92 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:8000

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

IHC 1:50-1:500

IF/ICC 1:10-1:100

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IP

Species Specificity:

human

Cited Species:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : A431 cells, Y79 cells

IP : A431 cells,

IHC : human testis tissue,

IF/ICC : 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 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
Youngran Kim	34838521	J Mol Biol	IP
Miguel Baena	25463011	Biochim Biophys Acta	WB
Jing You	27132593	Am J Hum Genet	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

*** 20ul sizes contain 0.1% BSA

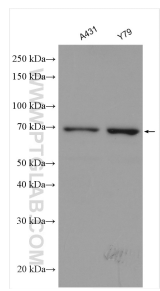
For technical support and original validation data for this product please contact:

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

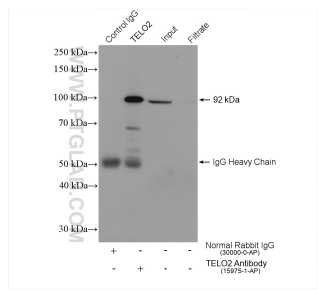
E: proteintech@ptglab.com
W: ptglab.com

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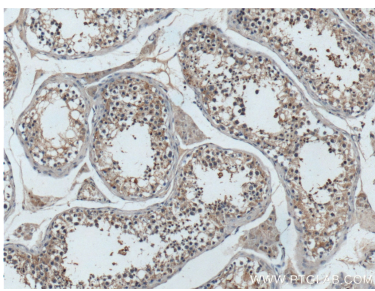
Selected Validation Data



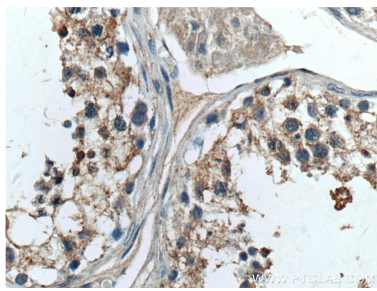
Various lysates were subjected to SDS PAGE followed by western blot with 15975-1-AP (TELO2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



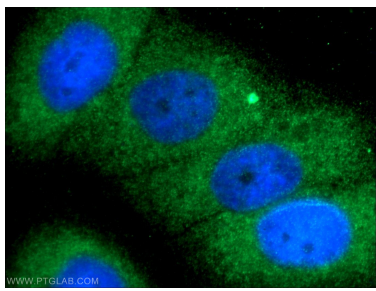
IP result of anti-TELO2 (IP:15975-1-AP, 4ug; Detection:15975-1-AP 1:500) with A431 cells lysate 1280 ug.



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



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



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