

For Research Use Only

Multi-rAb® WRAP53 Multi-Recombinant antibody

Catalog Number: RMX00057



Basic Information

Catalog Number:

RMX00057

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC002336

GeneID (NCBI):

55135

UNIPROT ID:

Q9BUR4

Full Name:

WD repeat containing, antisense to TP53

Calculated MW:

59 kDa

Observed MW:

72-75 kDa

Purification Method:

N/A

Recommended Dilutions:

WB: 1:2000-1:10000

IHC: 1:200-1:800

IF/ICC: 1:500-1:2000

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Species Specificity:

human

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: HeLa cells, Raji cells

IHC: human ovary tumor tissue,

IF/ICC: HepG2 cells,

Background Information

WRAP53 (WD40-encoding RNA Antisense to p53), also known as TCAB1 and WDR79, is a multifunctional protein encoded by a gene that produces both a coding mRNA and a regulatory antisense RNA targeting the tumor suppressor p53. Initially identified for its role in maintaining genomic stability by regulating p53 expression, WRAP53 is crucial for telomerase assembly and localization to Cajal bodies, impacting telomere maintenance. It also participates in DNA damage repair and cellular stress responses. The calculated molecular weight of WRAP53 is about 59 kDa, but the actual observed molecular weight is about 72-75 kDa, which may be due to modification.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol.

Aliquoting is unnecessary for -20°C storage

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

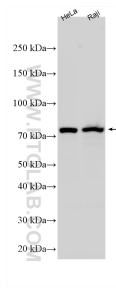
T: 4006900926

E: Proteintech-CN@ptglab.com

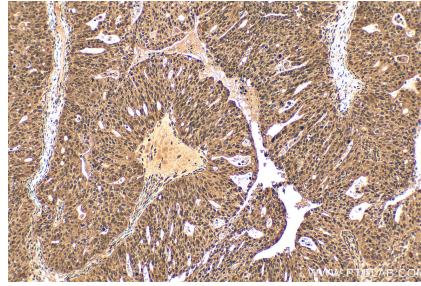
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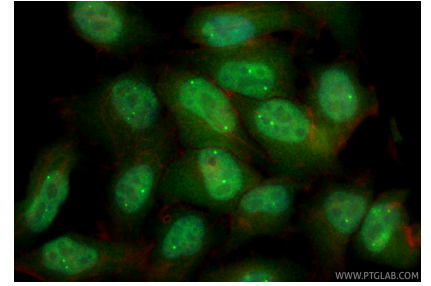
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with RMX00057 (WRAP53 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using RMX00057 (WRAP53 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using WRAP53 antibody (RMX00057) at dilution of 1:1000 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).