

For Research Use Only

RFWD3 Polyclonal antibody

Catalog Number: 19893-1-AP

Featured Product

5 Publications



Basic Information

Catalog Number:

19893-1-AP

Size:

150ul, Concentration: 260 ug/ml by Nanodrop and 200 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13728

GenBank Accession Number:

BC002574

GeneID (NCBI):

55159

UNIPROT ID:

Q6PCD5

Full Name:

ring finger and WD repeat domain 3

Calculated MW:

774 aa, 85 kDa

Observed MW:

85 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:100-1:200

IF/ICC 1:20-1:100

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB : mouse lung tissue,

IHC : human testis tissue, human colon tissue

IF/ICC : HEK-293 cells,

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

Background Information

RFWD3, also named as RNF201, is a E3 ubiquitin-protein ligase that mediates the ubiquitination of p53/TP53 in the late response to DNA damage, and acts as a positive regulator of p53/TP53 stability, thereby regulating the G1/S DNA damage checkpoint. RFWD3 may act by catalyzing the formation of short polyubiquitin chains on p53/TP53 that are not targeted to the proteasome. In response to ionizing radiation, It interacts with MDM2 and enhances p53/TP53 ubiquitination, possibly by restricting MDM2 from extending polyubiquitin chains on ubiquitinated p53/TP53.(PMID: 20173098) From BLAST result, this antibody is specific to RFWD3. 45kd and 55kd maybe spliceosome of RFWD3.

Notable Publications

Author	Pubmed ID	Journal	Application
Yanfei Zhang	31571161	Front Med	IHC
Guochao Liu	33842359	Front Oncol	WB,IF
Ming Gao	33704464	Nucleic Acids Res	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

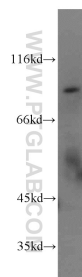
For technical support and original validation data for this product please contact:

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

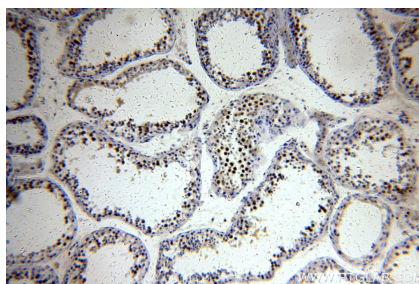
E: proteintech@ptglab.com
W: ptglab.com

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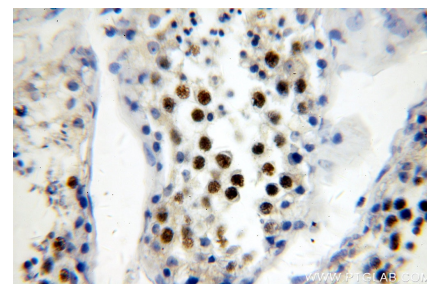
Selected Validation Data



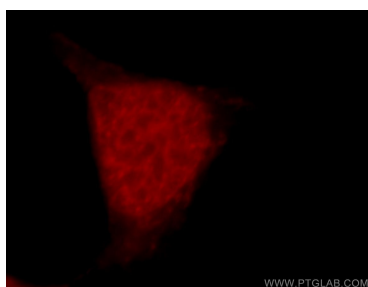
mouse lung tissue were subjected to SDS PAGE followed by western blot with 19893-1-AP (RFWD3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human testis using 19893-1-AP (RFWD3 antibody) at dilution of 1:400 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human testis using 19893-1-AP (RFWD3 antibody) at dilution of 1:400 (under 40x lens).



Immunofluorescent analysis of 293 cells, using RFWD3 antibody 19893-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).