

RFWD3 Polyclonal antibody

Catalog Number: 19893-1-AP

Featured Product

4 Publications

Basic Information

Catalog Number: 19893-1-AP	GenBank Accession Number: BC002574	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 260 µg/ml by Nanodrop and 200 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 55159	Recommended Dilutions: WB 1:500-1:2000 IHC 1:100-1:200 IF 1:20-1:100
Source: Rabbit	Full Name: ring finger and WD repeat domain 3	
Isotype: IgG	Calculated MW: 774 aa, 85 kDa	
Immunogen Catalog Number: AG13728	Observed MW: 85 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls:
Cited Applications: IF, IHC, WB	WB : mouse lung tissue,
Species Specificity: human, mouse, rat	IHC : human testis tissue, human colon tissue
Cited Species: human	IF : HEK-293 cells, Hela 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

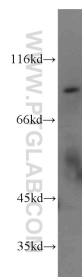
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

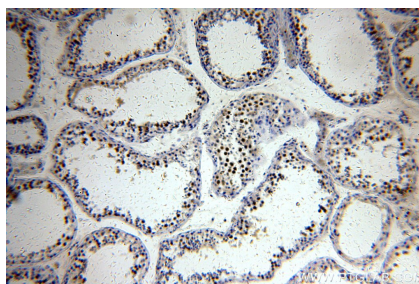
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

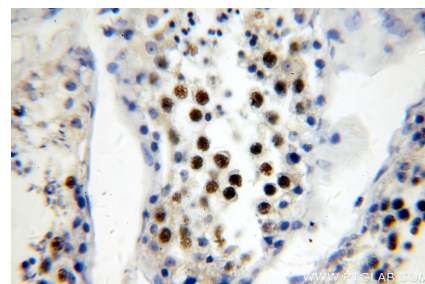
Selected Validation Data



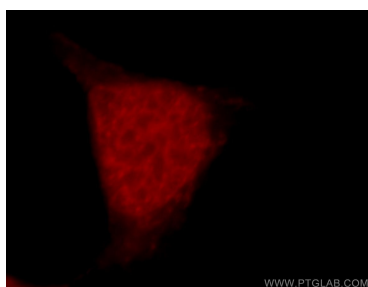
mouse lung tissue were subjected to SDS PAGE followed by western blot with 19893-1-AP (RFWD3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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).