

For Research Use Only

# WDR18 Polyclonal antibody

Catalog Number: 15165-1-AP

Featured Product

4 Publications



## Basic Information

**Catalog Number:**

15165-1-AP

**Size:**

350 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG7282

**GenBank Accession Number:**

BC001648

**GeneID (NCBI):**

57418

**UNIPROT ID:**

Q9BV38

**Full Name:**

WD repeat domain 18

**Calculated MW:**

47 kDa

**Observed MW:**

47 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

IHC 1:50-1:500

## Applications

**Tested Applications:**

IHC, WB, ELISA

**Cited Applications:**

WB, IP

**Species Specificity:**

human

**Cited Species:**

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 : Jurkat cells,

IHC : human lung tissue, human lung cancer tissue, human ovary tumor tissue

## Background Information

WDR18 is a member of the WD repeat protein family. WD repeats are minimally conserved regions of approximately 40 amino acids typically bracketed by gly-his and trp-asn (GH-WD), which may facilitate formation of heterotrimeric or multiprotein complexes. Members of this family are involved in a variety of cellular processes, including cell cycle progression, signal transduction, apoptosis, and gene regulation. WDR18 may play a role during development. The complex PELP1-TEX10-WDR18 is required for the maturation and nucleolar release of the large ribosomal subunit. This complex is a regulator of ribosome biogenesis and suggests that its SUMO-controlled distribution coordinates the rate of ribosome formation (PMID:21326211).

## Notable Publications

Author	Pubmed ID	Journal	Application
Yining Huang	27057756	PLoS One	WB
Xue Yang	37853941	Mol Oncol	IP, WB
Fanis Pavlos P	22872859	Mol Cell Proteomics	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:

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E: Proteintech-CN@ptglab.com

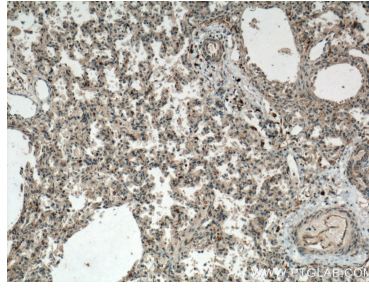
W: ptgcn.com

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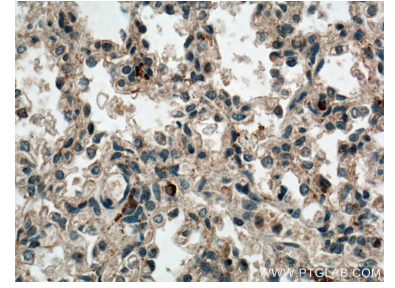
## Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 15165-1-AP (WDR18 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 15165-1-AP (WDR18 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 15165-1-AP (WDR18 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).