

For Research Use Only

# WDR18 Polyclonal antibody

Catalog Number: 15165-1-AP

Featured Product

4 Publications



## Basic Information

<b>Catalog Number:</b> 15165-1-AP	<b>GenBank Accession Number:</b> BC001648	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 350 µg/ml by Nanodrop and 227 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 57418	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> WD repeat domain 18	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 47 kDa	
<b>Immunogen Catalog Number:</b> AG7282	<b>Observed MW:</b> 47 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB : Jurkat cells, IHC : human lung tissue, human lung cancer tissue, human ovary tumor tissue
<b>Cited Applications:</b> IP, WB	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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

\*\*\* 20ul sizes contain 0.1% BSA

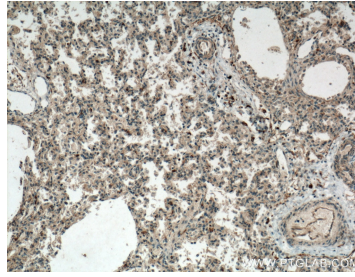
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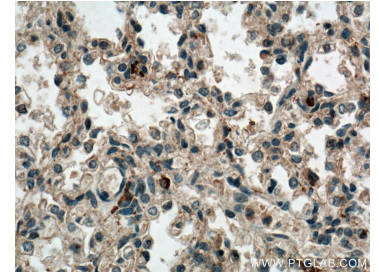
## Selected Validation Data



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).