

For Research Use Only

WDR18 Polyclonal antibody

Catalog Number: 15165-1-AP

Featured Product

5 Publications



Basic Information

Catalog Number:

15165-1-AP

Size:

150ul, Concentration: 350 ug/ml by Nanodrop and 227 ug/ml by Bradford method using BSA as the standard;

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:

WB, IHC, ELISA

Cited Applications:

WB, IP

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB : Jurkat cells,

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

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

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-aspartate (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
Khaled Mohamed Nassar	39258975	Cancer Res Commun	WB
Xue Yang	37853941	Mol Oncol	IP, 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

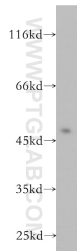
For technical support and original validation data for this product please contact:

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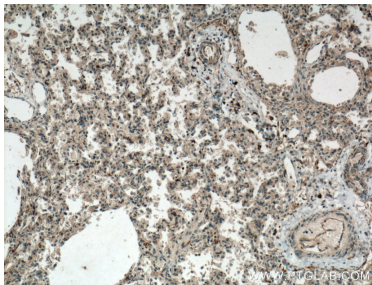
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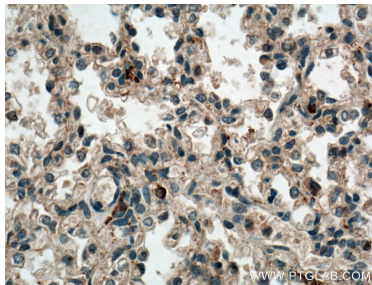
Selected Validation Data



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).