

For Research Use Only

WDR1 Polyclonal antibody

Catalog Number: 13676-1-AP

Featured Product

9 Publications



Basic Information

Catalog Number:

13676-1-AP

Size:

150ul, Concentration: 700 ug/ml by Nanodrop and 373 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4670

GenBank Accession Number:

BC030541

GeneID (NCBI):

9948

UNIPROT ID:

O75083

Full Name:

WD repeat domain 1

Calculated MW:

606 aa, 66 kDa

Observed MW:

66-70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:150-1:600

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

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: HEK-293 cells, rat skeletal muscle tissue, mouse skeletal muscle, Jurkat cells, U-87 cells

IP: mouse skeletal muscle tissue,

IHC: human colon tissue, human testis tissue

Background Information

WDR1, which belongs to the WD repeat AIP1 family, also known as AIP1, is a 606 amino acid protein that localizes to the cytoskeleton. WD repeats are approximately 30- to 40-amino acid domains containing several conserved residues, mostly including a trp-asn at the C-terminal end. WDR1 induces the disassembly of actin filaments in conjunction with ADF/cofilin family proteins (PMID:15629458, 27557945, 29751004). WDR1 mutations may impair the ability of WDR1 to regulate cofilin-mediated actin depolymerization, and are associated with periodic fever, immunodeficiency, and thrombocytopenia syndrome (PMID: 27557945, 27994071, 29751004).

Notable Publications

Author	Pubmed ID	Journal	Application
Baiyin Yuan	24840128	Am J Pathol	WB
Baiyin Yuan	29989053	Int J Biol Sci	WB
Ran An	35861209	Exp Biol Med (Maywood)	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

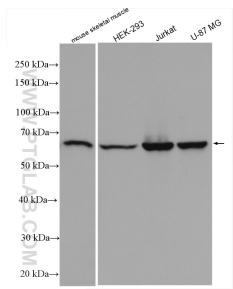
For technical support and original validation data for this product please contact:

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

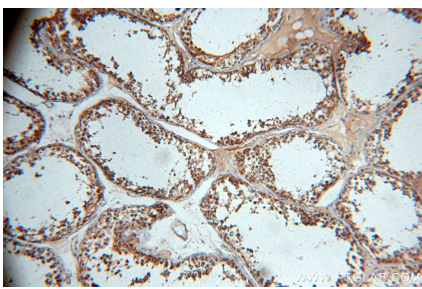
E: proteintech@ptglab.com
W: ptglab.com

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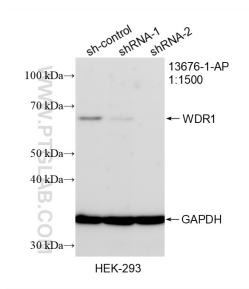
Selected Validation Data



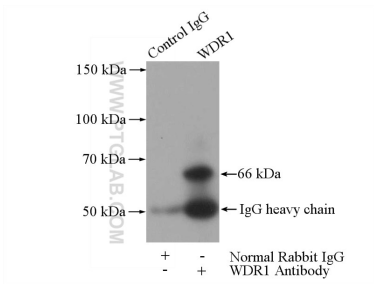
Various lysates were subjected to SDS PAGE followed by western blot with 13676-1-AP (WDR1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



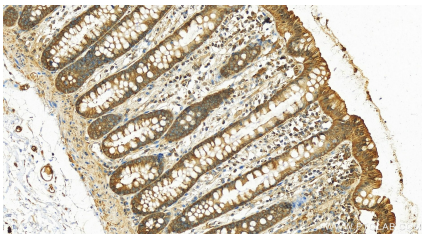
Immunohistochemical analysis of paraffin-embedded human testis using 13676-1-AP (WDR1 antibody) at dilution of 1:100 (under 10x lens).



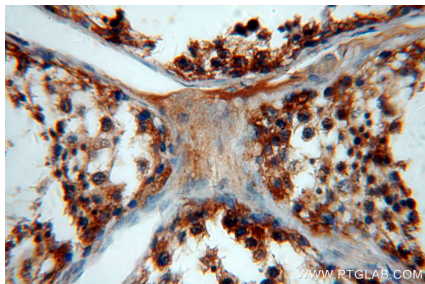
WB result of WDR1 antibody (13676-1-AP; 1:1500; incubated at room temperature for 1.5 hours) with sh-Control and sh-WDR1 transfected HEK-293 cells.



IP result of anti-WDR1 (IP:13676-1-AP, 3ug; Detection:13676-1-AP 1:500) with mouse skeletal muscle tissue lysate 3600ug.



Immunohistochemical analysis of paraffin-embedded human normal colon slide using 13676-1-AP (WDR1 antibody) at dilution of 1:300 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human testis using 13676-1-AP (WDR1 antibody) at dilution of 1:100 (under 40x lens).