

For Research Use Only

WDR5 Polyclonal antibody

Catalog Number: 15544-1-AP

7 Publications



Basic Information

Catalog Number:

15544-1-AP

Size:

800 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7900

GenBank Accession Number:

BC001635

GeneID (NCBI):

11091

UNIPROT ID:

P61964

Full Name:

WD repeat domain 5

Calculated MW:

37 kDa

Observed MW:

36 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:50-1:500

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

WB, IF, CoIP, ChIP

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 : HeLa cells, K-562 cells

IHC : human kidney tissue,

Background Information

The WDR5 antibody targets the WD repeat protein domain 5 (WDR5), a member of the WD40 repeat protein family in humans. The WDR5 protein is a core member of the mammalian trithorax complex and, like the rest of the WD40 repeat protein family, is primarily involved in diverse cellular processes. WDR5 is identified as a methyl Lys-4 H3-specific-binding protein, however it is known to interact with the Mixed Lineage Leukemia (MLL) protein at the same site for histone H3 tri-methylation (PMID:18840606). Recently, the WDR5 protein has been shown to regulate embryonic stem cell self-renewal, and an increased expression of WDR5 has been found to efficiently induce the formation of pluripotent stem cells (PMID:21477851). WDR5 is also shown to accelerate osteoblast and chondrocyte differentiation (PMID:16730692).

Notable Publications

Author	Pubmed ID	Journal	Application
Austin G Holmes	35476451	Sci Adv	ChIP
Junfa Yan	39152465	J Orthop Surg Res	WB, CoIP
Kui Chen	38720283	Mol Med	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:

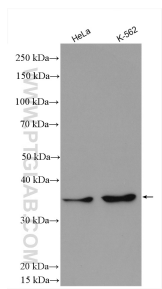
T: 4006900926

E: Proteintech-CN@ptglab.com

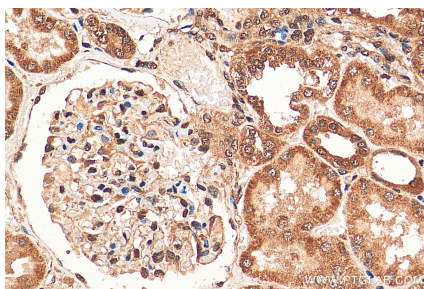
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 15544-1-AP (WDR5 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 15544-1-AP (WDR5 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).