

For Research Use Only

WDR5 Polyclonal antibody

Catalog Number: 15544-1-AP **7 Publications**



Basic Information

Catalog Number: 15544-1-AP	GenBank Accession Number: BC001635	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 800 ug/ml by Nanodrop;	GeneID (NCBI): 11091	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P61964	
Isotype: IgG	Full Name: WD repeat domain 5	
Immunogen Catalog Number: AG7900	Calculated MW: 37 kDa	
	Observed MW: 36 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Cited Applications: WB, IF, CoIP, ChIP	WB : HeLa cells, K-562 cells
Species Specificity: human, mouse, rat	IHC : human kidney tissue,
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*

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

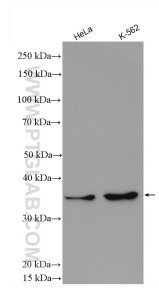
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

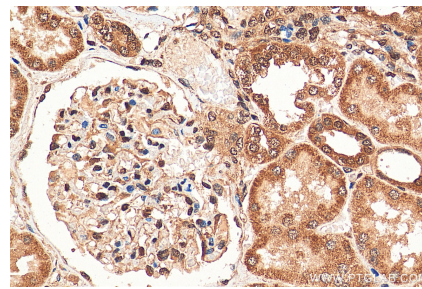
For technical support and original validation data for this product please contact:
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Selected Validation Data



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).