

For Research Use Only

WT1 Recombinant antibody, PBS Only

Catalog Number: 82525-1-PBS



Basic Information

Catalog Number: 82525-1-PBS	GenBank Accession Number: BC032861	Purification Method: Protein A purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 7490	CloneNo.: 2J13
Source: Rabbit	UNIPROT ID: P19544	
Isotype: IgG	Full Name: Wilms tumor 1	
Immunogen Catalog Number: AG19541	Calculated MW: 449 aa, 49 kDa, 57 kDa	
	Observed MW: 52-55 kDa	

Applications

Tested Applications:
WB, IHC, IP, Indirect ELISA

Species Specificity:
human, mouse

Background Information

The WT1 gene encodes a zinc finger DNA-binding protein that acts as a transcriptional activator or repressor depending on the cellular or chromosomal context, and it is required for the normal formation of the genitourinary system and mesothelial tissues. WT1 inhibits apoptosis through p53 and Bcl-2 and also inhibits the differentiation of leukemic cells. The function of WT1 may be isoform-specific: isoforms lacking the KTS motif may act as transcription factors. Isoforms containing the KTS motif may bind mRNA and play a role in mRNA metabolism or splicing. Isoform 1 has a lower affinity for DNA and can bind RNA. WT1 exists some isoforms with a range of molecular weight is 33-50 kDa.

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

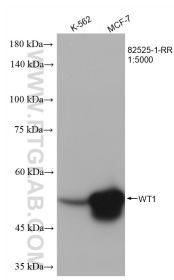
For technical support and original validation data for this product please contact:

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

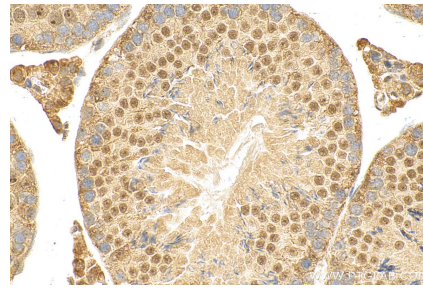
E: proteintech@ptglab.com
W: ptglab.com

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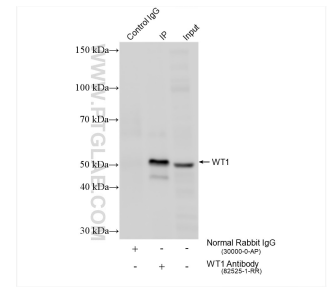
Selected Validation Data



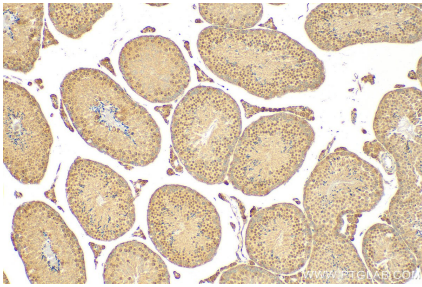
Various lysates were subjected to SDS PAGE followed by western blot with 82525-1-RR (WT1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82525-1-PBS in a different storage buffer formulation.



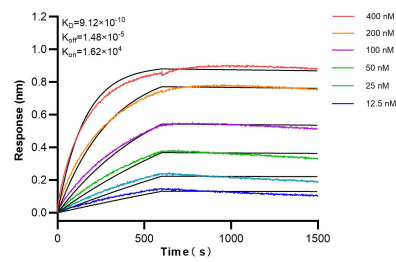
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 82525-1-RR (WT1 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82525-1-PBS in a different storage buffer formulation.



IP result of anti-WT1 (IP:82525-1-RR, 4ug; Detection:82525-1-RR 1:1000) with K-562 cells lysate 1600 ug. This data was developed using the same antibody clone with 82525-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 82525-1-RR (WT1 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82525-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 82525-1-RR against Human WT1 were performed. The affinity constant is 0.912 nM.