

For Research Use Only

# WT1 Recombinant antibody

Catalog Number: 82525-1-RR



## Basic Information

Catalog Number:

82525-1-RR

Size:

100ul, Concentration: 500 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG19541

GenBank Accession Number:

BC032861

GeneID (NCBI):

7490

UNIPROT ID:

P19544

Full Name:

Wilms tumor 1

Calculated MW:

449 aa, 49 kDa, 57 kDa

Observed MW:

52-55 kDa

Purification Method:

Protein A purification

CloneNo.:

2J13

Recommended Dilutions:

WB 1:2000-1:10000

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

## Applications

Tested Applications:

WB, IHC, IP, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : K-562 cells, MCF-7 cells

IP : K-562 cells,

## 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 -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol

Aliquoting is unnecessary for -20°C storage

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

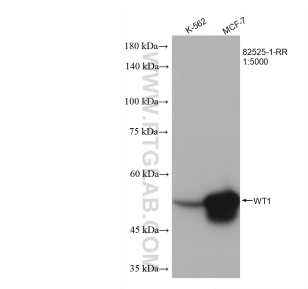
For technical support and original validation data for this product please contact:

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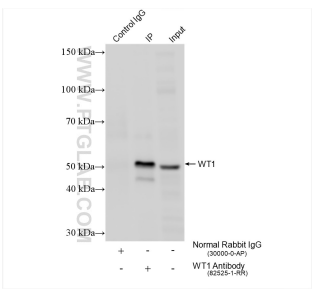
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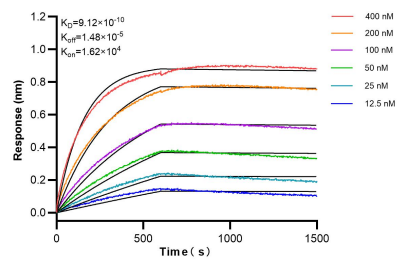
Selected Validation Data



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.



IP result of anti-WT1 (IP:82525-1-RR, 4ug; Detection:82525-1-RR 1:1000) with K-562 cells lysate 1600 ug.



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