

Datasheet for ABIN7271369
anti-WT1 antibody (AA 1-302)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µL
Target:	WT1
Binding Specificity:	AA 1-302
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This WT1 antibody is un-conjugated
Application:	Immunofluorescence (IF), Western Blotting (WB)

Product Details

Purpose:	WT1 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-302 of human WT1 (NP_001185480.1).
Sequence:	MEKGYSTVTF DGTPSYGHTP SHHAAQFPNH SFKHEDPMGQ QGSLGEQQYS VPPPVYGCHT PTDSCTGSQA LLLRTPYSSD NLYQMTSQLC CMTWNQMNLG ATLKGVAAGS SSSVKWTEGQ SNHSTGYESD NHTTPILCGA QYRIHTHGVE RGIQDVRRVP GVAPTLVRSA SETSEKRPFM CAYPGCNKRY FKLSHLQMHS RKHTGEKPYQ CDFKDCERRF SRSDQLKRHQ RRHTGVKPFQ CKTCQRKFSR SDHLKTHTRT HTGEKPFSCR WPSCQKKFAR SDELVRHHNM HQRNMTKLQL AL
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Product Details

Purification: Affinity purification

Target Details

Target: WT1

Alternative Name: WT1 ([WT1 Products](#))

Background: This gene encodes a transcription factor that contains four zinc-finger motifs at the C-terminus and a proline/glutamine-rich DNA-binding domain at the N-terminus. It has an essential role in the normal development of the urogenital system, and it is mutated in a small subset of patients with Wilms tumor. This gene exhibits complex tissue-specific and polymorphic imprinting pattern, with biallelic, and monoallelic expression from the maternal and paternal alleles in different tissues. Multiple transcript variants have been described. In several variants, there is evidence for the use of a non-AUG (CUG) translation initiation codon upstream of, and in-frame with the first AUG. Authors of PMID:7926762 also provide evidence that WT1 mRNA undergoes RNA editing in human and rat, and that this process is tissue-restricted and developmentally regulated. WT1, AWT1, EWS-WT1, GUD, NPHS4, WAGR, WIT-2, WT33, Epigenetics & Nuclear Signaling, Transcription Factors, Cancer, Tumor biomarkers, Signal Transduction, ErbB-HER Signaling Pathway, Cell Biology & Developmental Biology, Apoptosis, WT1

Molecular Weight: 33kDa/34kDa/47kDa/48kDa/49kDa/55kDa/56kDa

Gene ID: 7490

UniProt: [P19544](#)

Pathways: [Tube Formation](#)

Application Details

Application Notes: WB, 1:500 - 1:2000, IF, 1:50 - 1:200

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

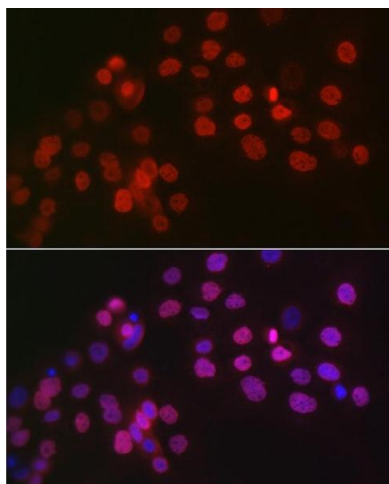
Handling

should be handled by trained staff only.

Storage: -20 °C

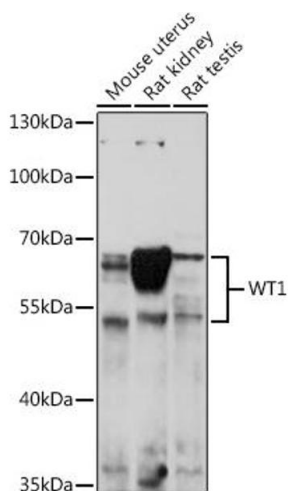
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



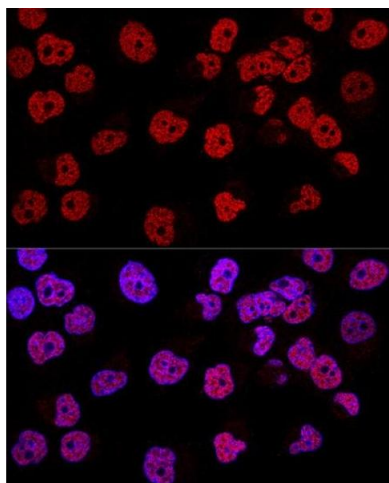
Immunofluorescence

Image 1. Immunofluorescence analysis of OVCAR-3 cells using WT1 Rabbit pAb (ABIN7271369) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using WT1 antibody (ABIN7271369) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.



Immunofluorescence

Image 3. Confocal immunofluorescence analysis of HeLa cells using WT1 Polyclonal Antibody (ABIN7271369) at dilution of 1:200. Blue: DAPI for nuclear staining.

Images

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7271369.