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Datasheet for ABIN3021698
anti-WT1 antibody (AA 1-302)

5 Images

1 Publication

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:	Western Blotting (WB)

Product Details

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 PTDSC TGSQA LLLRTPYSSD NLYQMTSQL E CMTWNQMN LG AT LKGV AAGS SSSVKWTEGQ SNHSTGYESD NHTTPILCGA QYRIHTHG VF RGIQDVRRVP GVAPTLV RSA SETSEKRPFM CAYPGCNKRY FKLSHLQMHS RKHTGEKPYQ CDFKDCERRF SRSDQLKR HQ RRHTGVKPFQ CKTCQRKFSR SDHLKTHTRT HTGEKPFSCR WPSCQKKFAR SDELVRHHNM HQRNMTKLQL AL
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	WT1
Alternative Name:	WT1 (WT1 Products)
Background:	<p>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</p>
Molecular Weight:	33 kDa/34 kDa/47 kDa/48 kDa/49 kDa/55 kDa/56 kDa
Gene ID:	7490
UniProt:	P19544
Pathways:	Tube Formation

Application Details

Application Notes:	WB, 1:500 - 1:2000
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 should be handled by trained staff only.
Handling Advice:	Avoid freeze / thaw cycles
Storage:	-20 °C

Handling

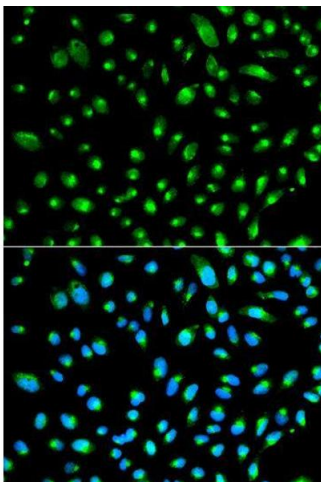
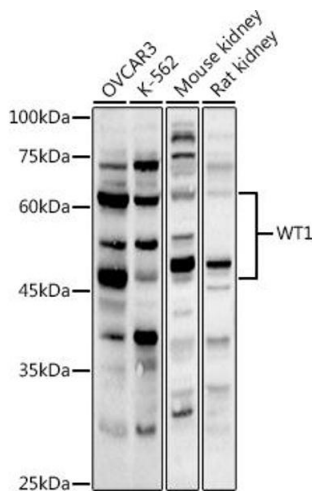
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Publications

Product cited in: Luo, Dan Wang, Luo, Zhu, Wang, Ning, Li, Ma, Yang, Jin, Huang, Meng, Li: "Caveolin 1-related autophagy initiated by aldosterone-induced oxidation promotes liver sinusoidal endothelial cells defenestration." in: **Redox biology**, Vol. 13, pp. 508-521, (2018) ([PubMed](#)).

Luo, Wang, Zhu, Wang, You, Ning, Li, Jin, Huang, Hu, Chen, Meng, Li: "Autophagic degradation of caveolin-1 promotes liver sinusoidal endothelial cells defenestration." in: **Cell death & disease**, Vol. 9, Issue 5, pp. 576, (2018) ([PubMed](#)).

Images

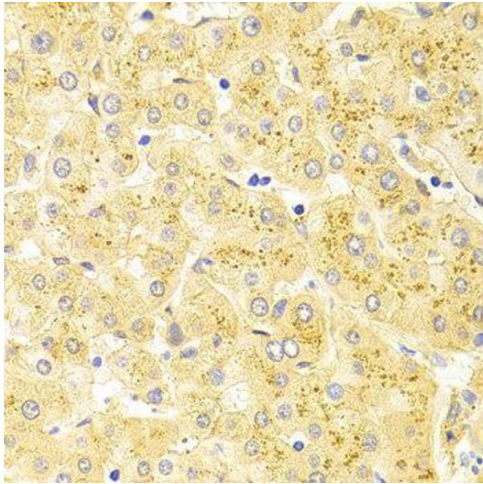


Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using WT1 antibody (ABIN3021697, ABIN3021698, ABIN3021699, ABIN1513692 and ABIN6215537) 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: 180s.

Immunofluorescence

Image 2. Immunofluorescence analysis of HeLa cell using WT1 antibody. Blue: DAPI for nuclear staining.



Immunohistochemistry

Image 3.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3021698.