

Rabbit anti-Human WT1 Monoclonal Antibody | anti-WT1 antibody

WT1 Rabbit mAb

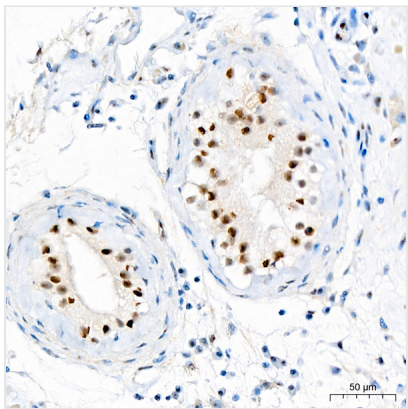
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28568	Rabbit	Human	Western Blot, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

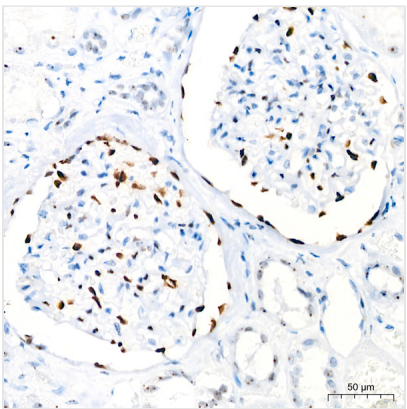
WT1; Monoclonal Antibody; WT1 Rabbit mAb; GUD; AWT1; WAGR; WT-1; WT33; NPHS4; WIT-2; anti-WT1 antibody

PRODUCT SPECIFICATIONS

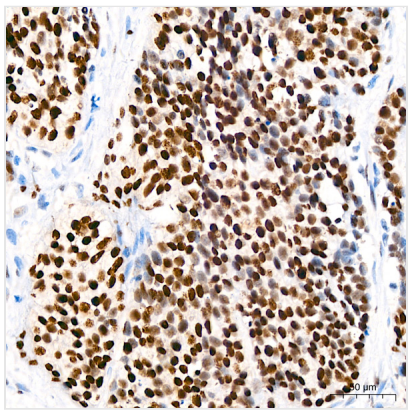
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	PPPPPPPPH SFIKQEPSWG GAEPHEEQCL SAFTVHFSGQ FTGTAGACRY GPFGPPPPSQ ASSGQARMFP NAPYLPSCLE SQPAIRNQGY STVTFDGTGS YGHTPSHHAA QFPNHSFKHE DPMGQQGSLG EQQYSVPPPV YGCHTPDSC TGSQALLRT PYSSDONLYQM TSQLECMTNW QMNLGATLKG V
Applicable Applications for anti-WT1 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Application Notes	WB: 1:1000-1:4000 IHC-P: 1:200-1:800 ELISA: Recommended starting concentration is 1ug/mL. Please optimize the concentration based on your specific assay requirements.
Cross Reactivity	Human, Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 60-250 of human WT1 (P19544).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.



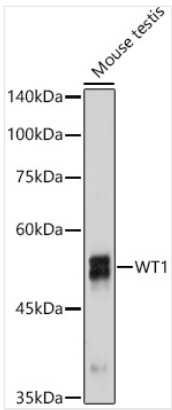
IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Human testis tissue using WT1 Rabbit mAb (AAA28568) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



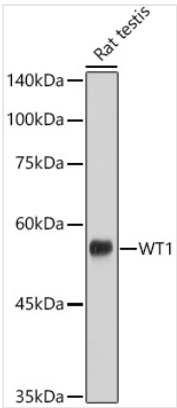
IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Human kidney tissue using WT1 Rabbit mAb (AAA28568) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



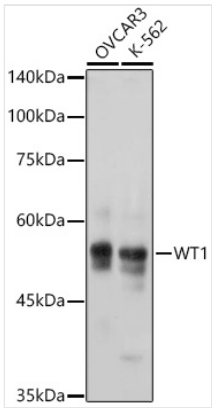
IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Human Ovarian Serous Carcinoma tissue using WT1 Rabbit mAb (AAA28568) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



WB (Western Blot)
Western blot analysis of lysates from Mouse testis, using WT1 Rabbit mAb (AAA28568) at 1:1000 dilution.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 90s.



WB (Western Blot)
Western blot analysis of lysates from Rat testis, using WT1 Rabbit mAb (AAA28568) at 1:1000 dilution.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 30s.



WB (Western Blot)
Western blot analysis of various lysates using WT1 Rabbit mAb (AAA28568) at 1:1000 dilution.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 1s.

ADDITIONAL INFORMATION

Related Product Information for anti-WT1 antibody	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.
Product Categories/Family for anti-WT1 antibody	Epigenetics Nuclear Signaling; Transcription Factors; Cancer; Tumor biomarkers; Signal Transduction; ErbB-HER Signaling Pathway; Cell Biology Developmental Biology; Apoptosis; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	65507817
NCBI GeneID	7490
NCBI Accession #	NP_077742.2
NCBI GenBank Nucleotide #	NM_024424.3
UniProt Accession #	P19544; Q15881; Q16256; Q16575; Q4VXV4; Q4VXV5; Q4VXV6; Q8IYZ5; A8K6S1; B3KSA5
Molecular Weight	Calculated MW: 49kDa Observed MW: 51-60kDa
UniProt Protein Name	Wilms tumor protein
UniProt Gene Name	WT1
UniProt Entry Name	WT1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/wt1-antibody-western-blot-immunohistochemistry-elisa/28568>