

Rabbit anti-Human, Mouse Wilms Tumor Protein Monoclonal Antibody | anti-WT1 antibody

Anti-Wilms Tumor Protein Rabbit Monoclonal Antibody

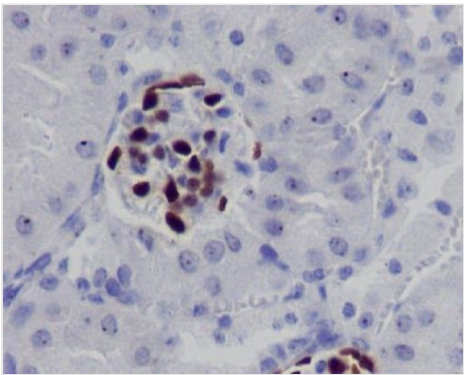
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46902	Rabbit	Human, Mouse	Western Blot, Immunocytochemistry, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

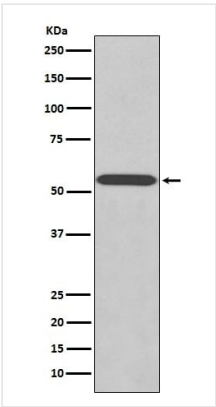
Wilms Tumor Protein; Monoclonal Antibody; Anti-Wilms Tumor Protein Rabbit Monoclonal Antibody; Wilms tumor protein; WT33; WT1; anti-WT1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Monoclonal
Purity/Purification	Affinity-chromatography
Form/Format	Liquid Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	288
Applicable Applications for anti-WT1 antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Immunogen	A synthesized peptide derived from human Wilms Tumor Protein
Subcellular Localization	Nucleus. Nucleus, nucleolus. Cytoplasm. Shuttles between nucleus and cytoplasm.
Tissue Specificity	Expressed in the kidney and a subset of hematopoietic cells.
Preparation and Storage	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded mouse kidney, using Wilms Tumor Protein Antibody(AAA46902)WT1 was detected in paraffin-embedded tissue section. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-WT1 Antibody (AAA46902)overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



WB (Western Blot)
Western blot analysis of WT1 expression in K562 cell lysate (AAA46902).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-WT1 monoclonal antibody overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for WT1.

ADDITIONAL INFORMATION

Related Product Information for anti-WT1 antibody	Transcription factor that plays an important role in cellular development and cell survival. Regulates the expression of numerous target genes, including EPO. Plays an essential role for development of the urogenital system. Recognizes and binds to the DNA sequence 5'-CGCCCCCGC-3'. It has a tumor suppressor as well as an oncogenic role in tumor formation. Function 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 lower affinity for DNA, and can bind RNA.
Product Categories/Family for anti-WT1 antibody	Signal Transduction; Cytoskeleton/ECM; Cell Adhesion; Integrins; Immunology; Cell Type Markers; Stem Cells; Hematopoietic Progenitors; Lymphoid; T Lymphocytic Lineage; nk cell lineage; Myeloid; monocytic lineage; Neutrophil Lineage; Mast Cell Lineage; ery

NCBI AND UNIPROT INFORMATION

NCBI GI #	65507714
NCBI GeneID	7490
NCBI Accession #	NP_000369.3
NCBI GenBank Nucleotide #	NM_000378.4
UniProt Accession #	P19544; Q15881; Q16256; Q16575; Q4VXV4; Q4VXV5; Q4VXV6; Q8IYZ5; A8K6S1; B3KSA5
Molecular Weight	49188 MW
NCBI Official Full Name	Wilms tumor protein isoform A
NCBI Official Synonym Full Names	Wilms tumor 1
NCBI Official Symbol	WT1
NCBI Official Synonym Symbols	GUD; AWT1; WAGR; WT33; NPHS4; WIT-2
NCBI Protein Information	Wilms tumor protein
UniProt Protein Name	Wilms tumor protein

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/wilms-tumor-protein-antibody-western-blot-immunocytochemistry-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/46902>