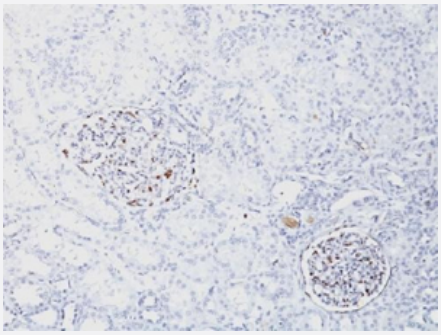
RecomAb™

WT1 recombinant monoclonal antibody, clone WT1/1434R

Catalog # RAB00291 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human kidney with WT1 recombinant monoclonal antibody, clone WT1/1434R (Cat # RAB00291).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human WT1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to full length human WT1.
Reactivity	Human
Specificity	Recognizes a 47-55kDa tumor suppressor protein which identified as WT1 protein. The antibody reacts with all isoforms of the full-length WT1 and also identifies WT1 lacking exon 2-encoded amino acids, frequently found in subsets of sporadic Wilm's tumors.
Form	Liquid
Purification	Protein A purification
Isotype	IgG, kappa
Recommend Usage	Flow Cytometry (0.5-1 ug/million cells) Immunofluorescence (0.5-1 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.

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Storage Buffer	In 10 mM PBS (0.05% BSA and 0.05% azide)
Storage Instruction	Store at 4°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human kidney with WT1 recombinant monoclonal antibody, clone WT1/1434R (Cat # RAB00291).

- Immunofluorescence

- Flow Cytometry

Gene Info — WT1

Entrez GeneID	7490
Protein Accession#	P19544
Gene Name	WT1
Gene Alias	GUD, WAGR, WIT-2, WT33
Gene Description	Wilms tumor 1
Omim ID	136680 194070 194072 194080 256370 607102
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a transcription factor that contains four zinc-finger motifs at the C-terminus an d a proline/glutamine-rich DNA-binding domain at the N-terminus. It has an essential role in the no rmal development of the urogenital system, and it is mutated in a small subset of patients with Wil m's tumors. Multiple transcript variants, resulting from alternative splicing at two coding exons, hav e been well characterized. There is also evidence for the use of non-AUG (CUG) translation initiati on site upstream of, and in-frame with the first AUG, leading to additional isoforms. Authors of PM ID:7926762 also provide evidence that WT1 mRNA undergoes RNA editing in human and rat, an d that this process is tissue-restricted and developmentally regulated. [provided by RefSeq
Other Designations	-

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Publication Reference

- The WT1 Wilms tumor gene product: a developmentally regulated transcription factor in the kidney that functions as a tumor suppressor.

  Rauscher FJ 3rd.

  FASEB Journal 1993 Jul; 7(10):896.

Disease

- Abnormalities
- Acute Disease
- Denys-Drash Syndrome
- Disease Progression
- Eye Diseases
- Frasier Syndrome
- Genetic Predisposition to Disease
- Glomerulosclerosis
- Gonadoblastoma
- Hypospadias
- Kidney Failure
- Kidney Neoplasms
- Leukemia
- Neoplasms
- Neovascularization
- Nephrotic Syndrome
- Pancreatic cancer
- Pancreatic Neoplasms
- Precursor T-Cell Lymphoblastic Leukemia-Lymphoma

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- Recurrence
- Sex determination
- Thyroid Neoplasms
- Tobacco Use Disorder
- Urogenital Abnormalities
- Wilms Tumor

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