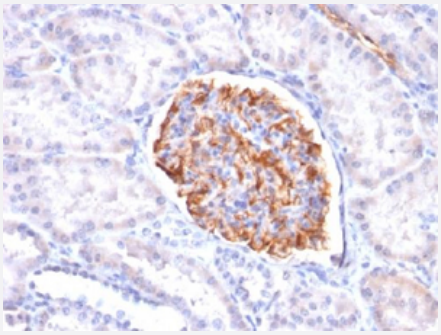
RecomAb™

WT1 recombinant monoclonal antibody, clone rWT1/857

Catalog # RAB00274 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 rWT1/857 (Cat # RAB00274).

Specification

Product Description	Mouse recombinant monoclonal antibody raised against human WT1.
Antibody Species	Mouse
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/G purification
Isotype	IgG2b, 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.

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Storage Buffer	In 10 mM PBS
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

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

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human kidney with WT1 recombinant monoclonal antibody, clone rWT1/857 (Cat # RAB00274).

- 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 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 Wilm's tumors. Multiple transcript variants, resulting from alternative splicing at two coding exons, have been well characterized. There is also evidence for the use of non-AUG (CUG) translation initiation site upstream of, and in-frame with the first AUG, leading to additional isoforms. 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. [provided by RefSeq
Other Designations	-

Publication Reference

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- 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
- Recurrence

Copyright © 2023 Abnova Corporation. All Rights Reserved.

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

Copyright © 2023 Abnova Corporation. All Rights Reserved.