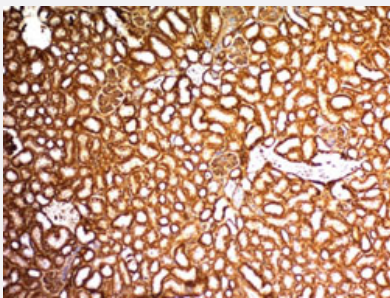


WT1 monoclonal antibody, clone WT1/857

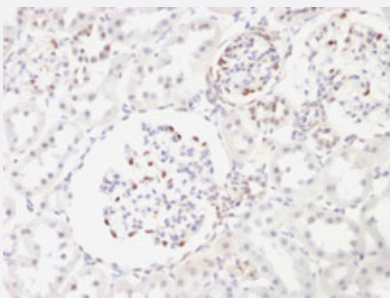
Catalog # MAB14414 Size 100 ug

Applications



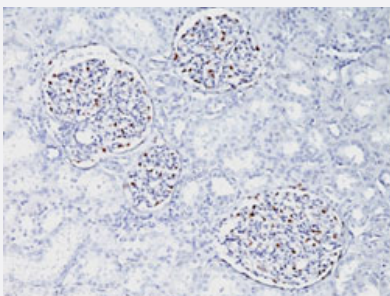
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of mouse kidney with WT1 monoclonal antibody, clone WT1/857 (Cat # MAB14414).



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of rat kidney with WT1 monoclonal antibody, clone WT1/857 (Cat # MAB14414).



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human fetal kidney with WT1 monoclonal antibody, clone WT1/857 (Cat # MAB14414).

Specification

Product Description

Mouse monoclonal antibody raised against full length recombinant human WT1.

Immunogen

Recombinant protein corresponding to full length human WT1.

Host	Mouse
Theoretical MW (kDa)	47-55
Reactivity	Human, Mouse, Rat
Specificity	The antibody reacts with all isoforms of the full length WT1 and also identifies WT1 lacking exon 2 encoded amino acids.
Form	Liquid
Purification	Protein G purification
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (0.5-1 ug/million cells in 0.1 mL) 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.
Storage Buffer	In 1 mM PBS (0.05% BSA, 0.05% sodium azide).
Storage Instruction	Store at 4°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of mouse kidney with WT1 monoclonal antibody, clone WT1/857 (Cat # MAB14414).

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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of rat kidney with WT1 monoclonal antibody, clone WT1/857 (Cat # MAB14414).

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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human fetal kidney with WT1 monoclonal antibody, clone WT1/857 (Cat # MAB14414).

- 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 Wilms' 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

- [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](#)
- [Sex determination](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Urogenital Abnormalities](#)
- [Wilms Tumor](#)