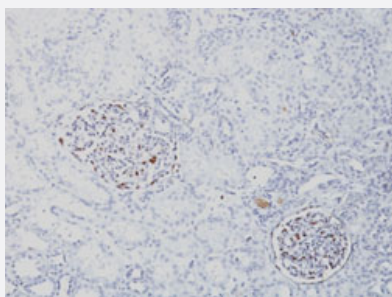


# WT1 monoclonal antibody, clone SPM361

Catalog # MAB13174      Size 100 ug

## Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human fetal kidney with WT1 monoclonal antibody, clone SPM361 (Cat # MAB13174).

## Specification

|                             |                                                                                                                                                                                                                                                           |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>  | Mouse monoclonal antibody raised against partial recombinant human WT1.                                                                                                                                                                                   |
| <b>Immunogen</b>            | Recombinant protein corresponding to amino acids 1-181 of human WT1.                                                                                                                                                                                      |
| <b>Host</b>                 | Mouse                                                                                                                                                                                                                                                     |
| <b>Theoretical MW (kDa)</b> | 47-55                                                                                                                                                                                                                                                     |
| <b>Reactivity</b>           | Human                                                                                                                                                                                                                                                     |
| <b>Specificity</b>          | The monoclonal antibody reacts with all isoforms of the full-length WT1 and also identifies WT1 lacking exon 2-encoded amino acids.                                                                                                                       |
| <b>Form</b>                 | Liquid                                                                                                                                                                                                                                                    |
| <b>Purification</b>         | Protein A/G purification                                                                                                                                                                                                                                  |
| <b>Isotype</b>              | IgG1, kappa                                                                                                                                                                                                                                               |
| <b>Recommend Usage</b>      | Flow Cytometry (0.5-1 ug/10 <sup>6</sup> cells in 0.1 mL)<br>Immunofluorescence (0.5-1 ug/mL)<br>Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 ug/mL)<br>The optimal working dilution should be determined by the end user. |

**Storage Buffer**

In 1 mM PBS.

**Storage Instruction**

Store at -20 to -80°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 fetal kidney with WT1 monoclonal antibody, clone SPM361 (Cat # MAB13174).

- 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'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**

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## 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](#)