

Name: Mouse Monoclonal Antibody against Wilms Tumor 1 (6F-H2)**Catalog: TA301555****Product Data Sheet****Gene Name:** Homo sapiens Wilms tumor 1 (WT1), transcript variant D**Clone Name:** 6F-H2**GeneBank accession:** NM_024426
Isotype: IgG1 kappa**Gene Synonym:** AWT1; GUD; WAGR; WIT-2; WT33; GUD; WAGR; WIT-2; WT33; Wilms tumor 1**Reactivity:** human**Immunogen:** Human recombinant WT1 protein (residues 1-181). [Swiss-Prot# P19544]**Components:**

- 100 µl Mouse Monoclonal Antibody against Wilms Tumor 1 (6F-H2) (TA301555)
- 1 vial of 20µg myc-DDK tagged WT1 HEK293T over-expression lysate lyophilized in RIPA buffer (LY402989) (Reconstitute into 20 µl of 1x SDS sample buffer before loading)

Concentration: 0.8 mg/ml**Recommended application dilutions:**

WB (2 µg/ml), IHC, IP

Storage Condition:

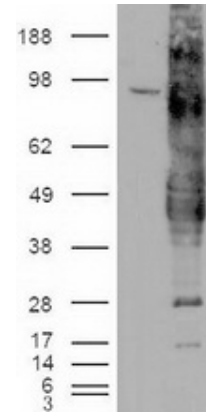
Shipped at 4C. Upon delivery store at -20C. Dilute in PBS (pH7.3) before use. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.

Buffer:

Tris-glycine, 150mM NaCl and 0.05% sodium azide

Purification: IgG purified**Background:**

Wilms?tumor (WT) is an embryonal malignancy of the kidney that affects 1 in 10,000 infants and, like retinoblastoma, is observed in both sporadic and inherited forms. The Wilms?tumor locus has been mapped at chromosome 11p13 as a tumor suppressor gene which encodes a DNA binding protein with four zinc fingers and a glutamine-proline rich amino terminus. The Wilms?tumor protein binds the DNA sequence GCGGGGGCG, a recognition element common to the early growth response (Egr) family of Zn²⁺ finger transcriptional activators. However, in contrast to Egr transcription factors, WT1 behaves as a transcriptional repressor in transient transfection assays with synthetic promoter constructs.

Validation Data:**Western Blot**

HEK293T cells were transfected with the pCMV6-ENTRY control or pCMV6-ENTRY WT1 (RC220142) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 µg per lane) were separated by SDS-PAGE and immunoblotted with anti-WT1.

Related Product:

TrueORF cDNA clones
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* Peptide sequence of the DDK-tag (Flag®): N-DYKDDDDK-C Flag® is a registered trademark of Sigma-Aldrich

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