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AM00403SU-L Monoclonal Antibody to WT1 / Wilms tumor protein - Supernatant

Alternate names: WT33

Quantity: 1 ml

Background: Wilm's Tumor (WT), a sporadic and familial childhood kidney tumor, is genetically heterogeneous. Wilm's tumor is associated with mutations of WT1, a zinc-finger transcription factor that is essential for the development of the metanephric kidney and the urogenital system. The WT1 gene is normally expressed in fetal kidney and mesothelium, and its expression has been suggested as a marker for Wilms tumor and mesothelioma.

Uniprot ID: P19544

NCBI: NP_000526

GeneID: 7490

Host / Isotype: Mouse / IgG1

Clone: 6F-H2

Immunogen: Purified WT protein.

Format: **State:** Liquid Tissue Culture Supernatant with 0.2% BSA and 15mM Sodium Azide.

Applications: **Immunohistochemistry on Formalin-Fixed, Paraffin-Embedded Sections:** 1/10-1/50
Pretreatment of tissue with proteolytic enzymes should be performed prior to staining.
Use Polymer anti Mouse/Rabbit IgG as a detection system.
Positive Control: Malignant mesothelioma, Wilms tumor.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This antibody recognizes Wilm's Tumor Protein.
Lung adenocarcinomas rarely stain positive with this antibody.
Cellular Localization: Nuclear.

Species Reactivity: **Tested:** Human.

Storage: Store the antibody undiluted at 2-8°C.
Shelf life: one year from despatch.

General Readings:
1. Huff V. Am J Med Genet 1998 Oct 2;79(4):260-267.
2. Bruening W, et al. Nat Genet 1992 May;1(2):144-148.
3. Schedl A, Hastie N. Mol Cell Endocrinol 1998 May 25;140 (1-2):65-69.

Pictures:

Formalin-Fixed, Paraffin-Embedded Human Wilms tumor stained with WT1 antibody Cat.-No. AM00403SU-L using peroxidase conjugate and DAB chromogen. Note the nuclear staining of tumor cells.