

## Wilm's Tumor 1 (WT1) (Wilm's Tumor & Mesothelial Marker) Antibody

Mouse Monoclonal Antibody [Clone WT1/857 + 6F-H2]

Catalog No	Format	Size
7490-MSM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
7490-MSM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
7490-MSM3-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

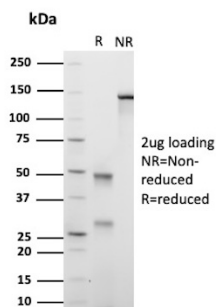
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

### Product Details

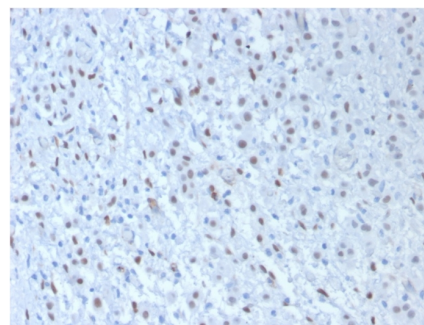
<b>Clone</b>	WT1/857 + 6F-H2
<b>Gene Name</b>	WT1
<b>Immunogen</b>	Recombinant full length human WT1 protein (WT1/857); Recombinant fragment aa1-181 of human WT1 (6F-H2)
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG1 / Kappa
<b>Mol. Weight of Antigen</b>	47-55kDa
<b>Cellular Localization</b>	Cytoplasm, Nucleolus, Nucleoplasm, Nucleus, Nucleus speckle
<b>Species Reactivity</b>	Human, Rat
<b>Positive Control</b>	K562 cells. Wilm's Tumor, mesothelioma or fetal kidney.

\*Optimal dilution for a specific application should be determined.

### Product Images for Wilm's Tumor 1 (WT1) (Wilm's Tumor & Mesothelial Marker) Antibody



SDS-PAGE Analysis of Purified Wilms tumor protein Recombinant Mouse Monoclonal Antibody (WT1/857 + 6F-H2). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human Mesothelioma stained with Wilm's Tumor Monoclonal Antibody (WT1/857 + 6F-H2).

### **Specificity & Comments**

Recognizes a 47-55kDa-tumor suppressor protein, identified as Wilm's Tumor (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. WT1, a sporadic and familial pediatric 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 Wilm's tumor and mesothelioma. WT1 protein has been identified in proliferative mesothelial cells, malignant mesothelioma, ovarian carcinoma, gonadoblastoma, nephroblastoma, and desmoplastic small round cell tumor. Lung adenocarcinomas rarely stain positive with this antibody. WT1 protein expression in mesothelial cells has become a reliable marker for the diagnosis of mesotheliomas.

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### **Limitations and Warranty**

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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### **Supplied As**

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

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### **Storage and Stability**

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

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### **Research Areas**

Cancer, Cardiac Stem Cells, Developmental Biology, Stem Cell Differentiation

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