

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

Rabbit Monoclonal Antibody [Clone WT1/1434R]

Catalog No	Format	Size
7490-RBM4-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
7490-RBM4-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
7490-RBM4-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

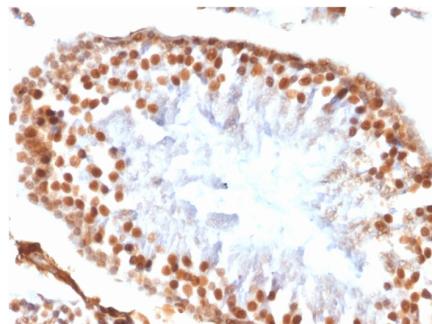
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

### Product Details

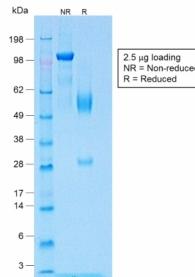
Clone	WT1/1434R
Gene Name	WT1
Immunogen	Recombinant human full-length WT1 protein
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	47-55kDa
Cellular Localization	Cytoplasm, Nucleolus, Nucleoplasm, Nucleus, Nucleus speckle
Species Reactivity	Human
Positive Control	K562 cells. Human Wilm's tumor, mesothelioma or fetal kidney, Human Kidney, MCF7

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

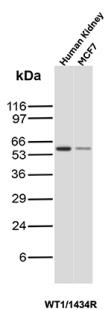
### Product Images for Recombinant Wilm's Tumor 1 (WT1) (Wilm's Tumor & Mesothelial Marker) Antibody



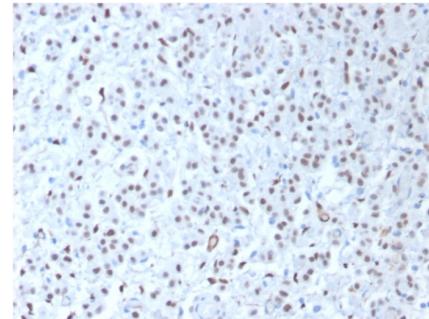
Formalin-fixed, paraffin-embedded rat testis stained with Wilm's Tumor Rabbit Recombinant Monoclonal Antibody (WT1/1434R).



SDS-PAGE Analysis of Purified Wilm's Tumor Rabbit Recombinant Monoclonal (WT1/1434R). Confirmation of Purity and Integrity of Antibody.



Western Blot analysis of Human Kidney and MCF7 lysates using WT1 Recombinant Rabbit Monoclonal Antibody (WT1/1434R).



Formalin-fixed, paraffin-embedded human mesothelioma stained with Wilm's Tumor Rabbit Recombinant Monoclonal Antibody (WT1/1434R).

### 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.

### 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.

### Supplied As

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

### 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.

### Research Areas

Developmental Biology, Cardiac Stem Cells, Stem Cell Differentiation