

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

Mouse Monoclonal Antibody [Clone 6F-H2]

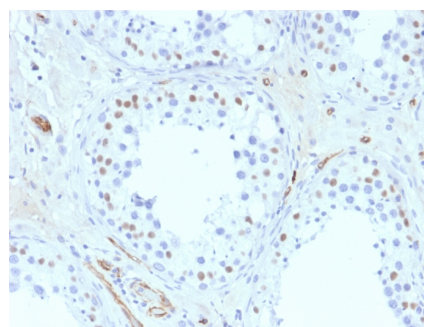
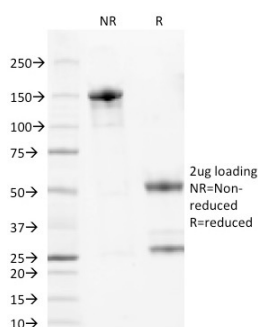
Catalog No	Format	Size
7490-MSM1-P0	Purified Ab with BSA and Azide	200ug/ml
7490-MSM1-P1	Purified Ab with BSA and Azide	200ug/ml
7490-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide	1.0mg/ml

Applications	Tested Dillution
Immunohistochemistry (IHC)	1-2ug/ml

Product Details	
Clone	6F-H2
Gene Name	WT1
Immunogen	Recombinant protein corresponding to residues 1-181 of human WT1.
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	47-55kDa
Cellular Localization	Cytoplasm, Nucleolus, Nucleoplasm, Nucleus, Nucleus speckle
Species Reactivity	Human, Mouse, Rat
Positive Control	K562 cells. Kidney, Testis, Wilm's Tumor or Mesothelioma.

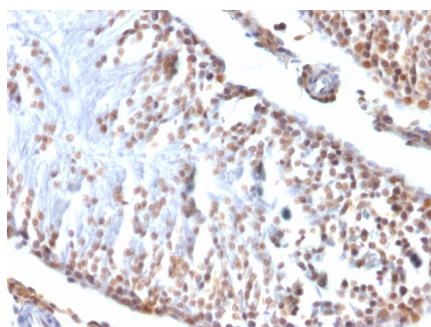
**Optimal dilution for a specific application should be determined.*

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

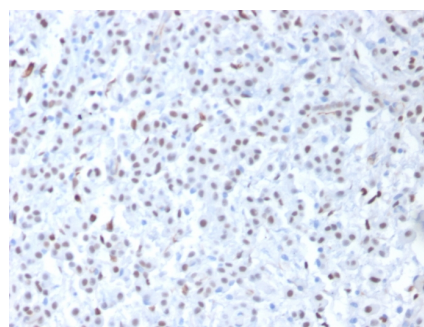


SDS-PAGE Analysis of Purified Wilm's Tumor Mouse Monoclonal Antibody (6F-H2). Confirmation of Purity and Integrity of Antibody.

Formalin-fixed, paraffin-embedded human Testis stained with Wilm's Tumor Mouse Monoclonal Antibody (6F-H2).



Formalin-fixed, paraffin-embedded Rat Testis stained with Wilm's Tumor Mouse Monoclonal Antibody (6F-H2).



Formalin-fixed, paraffin-embedded human Mesothelioma stained with Wilm's Tumor Mouse Monoclonal Antibody (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.

Research Areas

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

Known Applications & Suggested Dilutions

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes 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) | Optimal dilution for a specific application should be determined.

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 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.

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.