

Mouse Wilm's Tumor 1 (WT1) Monoclonal Antibody | anti-WT1 antibody

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

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62868	Mouse	Human and Rat. Weakly reacts with Mouse. Others-not known	Immunohistochemistry

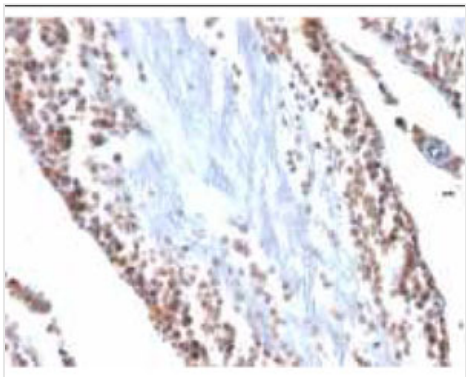
PRODUCT SYNONYMS

Wilm's Tumor 1 (WT1); Monoclonal Antibody; Wilm's Tumor 1 (WT1) (Wilm's Tumor & Mesothelial Marker) Mouse Monoclonal Antibody; WT1; AWT1; FWT1; GUD; NPHS4; WAGR; Wilms tumor 1; anti-WT1 antibody

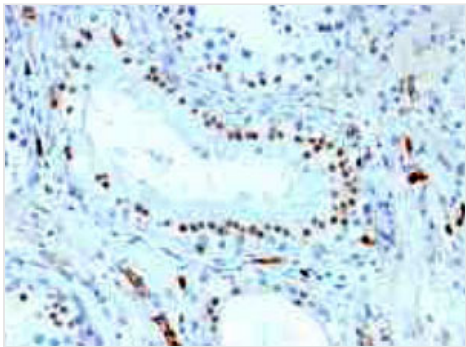
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human and Rat. Weakly reacts with Mouse. Others-not known
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	WT1/857
Specificity	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 mesotheliomas.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 1mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	497
Applicable Applications for anti-WT1 antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant full-length human WT1 protein
Cellular Localization	Nuclear and Cytoplasmic
Human Chromosome Location	11p13
Positive Control	K562 cells. Kidney, Testis, Wilm's Tumor or Mesothelioma.
Supplied As	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 1mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Preparation and Storage	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.

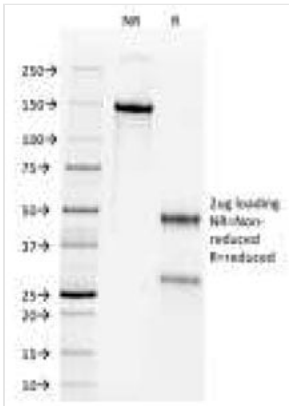
IMAGES



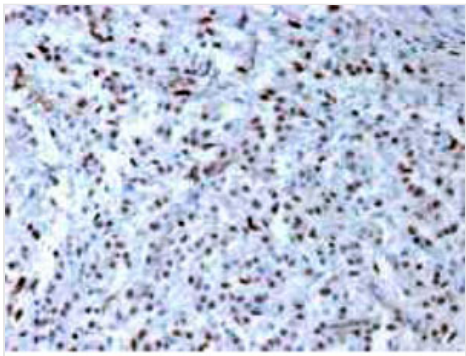
IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded Rat Testis stained with Wilm's Tumor Mouse Monoclonal Antibody (WT1/857).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded Human Testis stained with Wilm's Tumor Mouse Monoclonal Antibody (WT1/857).



SDS-PAGE
SDS-PAGE Analysis Purified Wilm's Tumor Mouse Monoclonal Antibody (WT1/857).
Confirmation of Integrity and Purity of Antibody.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded Human Mesothelioma stained with Wilm's Tumor Mouse Monoclonal Antibody (WT1/857).

ADDITIONAL INFORMATION

References	Rauscher FJ. The WT1 Wilms tumor gene product: A developmentally regulated transcription factor in the kidney that functions as a tumor suppressor. FASEB J 1993; 7:896
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NCBI AND UNIPROT INFORMATION

NCBI GI #	65507714
NCBI GeneID	7490
NCBI Accession #	NP_000369.3
NCBI GenBank Nucleotide #	NM_000378.4
UniProt Accession #	P19544; Q15881; Q16256; Q16575; Q4VXV4; Q4VXV5; Q4VXV6; Q8IYZ5; A8K6S1; B3KSA5
Molecular Weight	47-55kDa
NCBI Official Full Name	Wilms tumor protein isoform A
NCBI Official Synonym Full Names	Wilms tumor 1
NCBI Official Symbol	WT1
NCBI Official Synonym Symbols	GUD; AWT1; WAGR; WT33; NPHS4; WIT-2; EWS-WT1
NCBI Protein Information	Wilms tumor protein

UniProt Protein Name	Wilms tumor protein
UniProt Gene Name	WT1
UniProt Entry Name	WT1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/wilms-tumor-1-wt1-antibody-clone-wt1-857-immunohistochemistry-elisa/62868>