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Product datasheet for TA301555

Wilms Tumor Protein (WT1) Mouse Monoclonal Antibody [Clone ID: 6F-H2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	6F-H2
Applications:	ICC/IF, IHC, IP, Simple Western, WB
Recommended Dilution:	Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Frozen: 1: 400, Immunohistochemistry-Paraffin: 1:400, Simple Western: 1:50, Western Blot: 2 ug/ml, Immunoprecipitation: 2-10 ug/ml lysate, Immunohistochemistry: 1:400
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1, kappa
Clonality:	Monoclonal
Immunogen:	Human recombinant WT1 protein (residues 1-181). [Swiss-Prot# P19544]
Formulation:	Tris-glycine, 150mM NaCl and 0.05% sodium azide
Purification:	IgG purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	Wilms tumor 1
Database Link:	NP_077744 Entrez Gene 7490 Human P19544
Background:	Wilms?tumor (WT) is an embryonal malignancy of the kidney that affects 1 in 10,000 infants and, like retinoblastoma, is observed in both sporadic and inherited forms. The Wilms?tumor locus has been mapped at chromosome 11p13 as a tumor suppressor gene which encodes a DNA binding protein with four zinc fingers and a glutamine-proline rich amino terminus. The Wilms?tumor protein binds the DNA sequence GCGGGGGCG, a recognition element common to the early growth response (Egr) family of Zn2+ finger transcriptional activators. However, in contrast to Egr transcription factors, WT1 behaves as a transcriptional repressor in transient transfection assays with synthetic promotor constructs.

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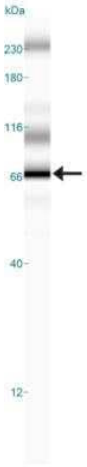
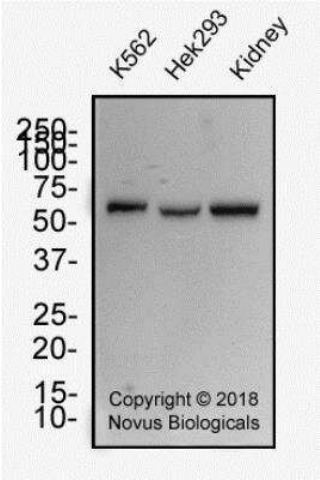
Synonyms: AWT1; EWS-WT1; GUD; NPHS4; WAGR; WIT-2; WT33

Protein Families: Druggable Genome, Transcription Factors

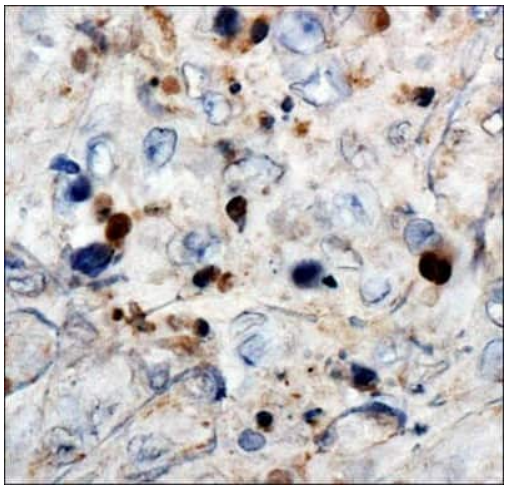
Product images:



Simple Western: WT1 Antibody (6F-H2) TA301555 - Lane view shows a specific band for WT1 in 0.5 mg/ml of Hek293 lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Western Blot: WT1 Antibody (6F-H2) TA301555 - Whole cell protein from human K562, HEK293 and kidney tissue was separated on a 12% gel by SDS-PAGE, transferred to PVDF membrane and blocked in 5% non-fat milk in TBST. The membrane was probed with 2.0 ug/ml anti-WT1 in block buffer and detected with an anti-mouse HRP secondary antibody using chemiluminescence.



Immunohistochemistry: WT1 Antibody (6F-H2) TA301555 - Analysis of Wilms Tumor 1 in human renal cancer using DAB with hematoxylin counterstain.