

Product Datasheet

WT1 Antibody (WT1/857 + 6F-H2) NBP2-44607-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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NBP2-44607-0.1mg

WT1 Antibody (WT1/857 + 6F-H2)

| Product Information | |
|---------------------|--------------------------|
| Unit Size | 0.1 mg |
| Concentration | 0.2 mg/ml |
| Storage | Store at 4C. |
| Clonality | Monoclonal |
| Clone | WT1/857 + 6F-H2 |
| Preservative | 0.05% Sodium Azide |
| Isotype | IgG1 Kappa/IgG1 Kappa |
| Purity | Protein A or G purified |
| Buffer | 10 mM PBS with 0.05% BSA |

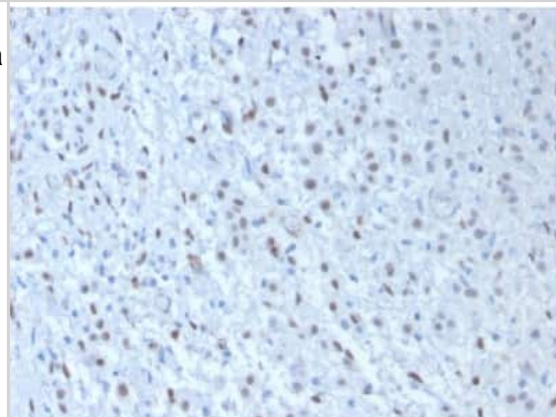
| Product Description | |
|-------------------------|---|
| Description | 200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-47858) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C. |
| Host | Mouse |
| Gene ID | 7490 |
| Gene Symbol | WT1 |
| Species | Human, Mouse, Rat |
| Reactivity Notes | Use in Mouse reported in scientific literature (PMID:33631230). |
| Marker | Wilm's Tumor & Mesothelial Marker |
| Specificity/Sensitivity | Recognizes a 47-55kDa-tumor suppressor protein, identified as Wilms 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. |
| Immunogen | Recombinant full length human WT1 protein (WT1/857); Recombinant fragment aa1-181 of human WT1 (6F-H2) (Uniprot: P19544) |

| Product Application Details | |
|-----------------------------|---|
| Applications | Immunohistochemistry-Paraffin, Immunohistochemistry |
| Recommended Dilutions | Immunohistochemistry, Immunohistochemistry-Paraffin 1-2 ug/ml |
| Application Notes | 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 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined. |

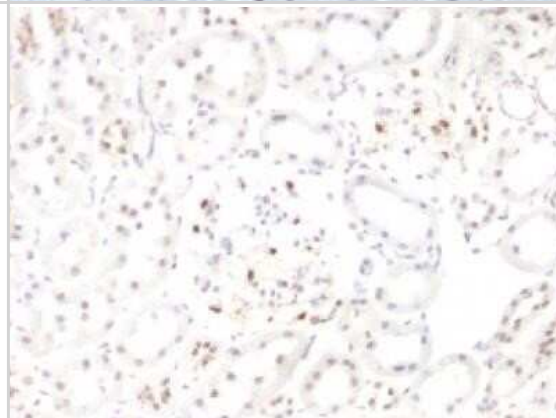


Images

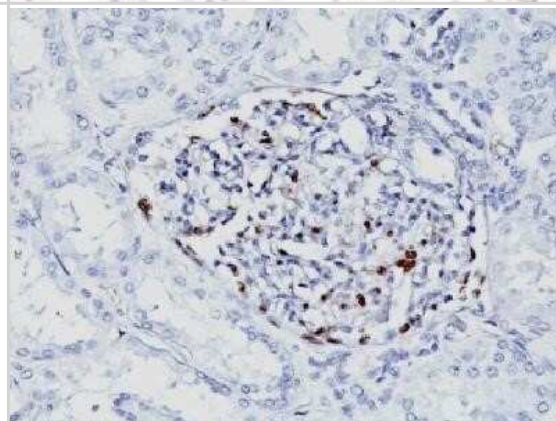
Immunohistochemistry-Paraffin: WT1 Antibody (WT1/857 + 6F-H2) [NBP2-44607] - Formalin-fixed, paraffin-embedded human Mesothelioma stained with WT1 Antibody (WT1/857 + 6F-H2).



Immunohistochemistry-Paraffin: WT1 Antibody (WT1/857 + 6F-H2) [NBP2-44607] - Formalin-fixed, paraffin-embedded Rat kidney stained with WT1 monoclonal antibody (WT1/857+6F-H2).



Immunohistochemistry-Paraffin: WT1 Antibody (WT1/857 + 6F-H2) [NBP2-44607] - Formalin-fixed, paraffin-embedded human Fetal kidney stained with WT1 Monoclonal Antibody (WT1/857+6F-H2).



Publications

Jillian Williquett, Chantal Allamargot, Hua Sun AMPK-SP1–Guided Dynein Expression Represents a New Energy-Responsive Mechanism and Therapeutic Target for Diabetic Nephropathy *Kidney360* 2024-04-01 [PMID: 38467599]

Wang Z, Wu Q, Wang H et al. Diosgenin protects against podocyte injury in early phase of diabetic nephropathy through regulating SIRT6 *Phytomedicine : international journal of phytotherapy and phytopharmacology* 2022-06-13 [PMID: 35728388] (IF/IHC, Mouse)

Yang X, Luo W, Li L et al. CDK9 inhibition improves diabetic nephropathy by reducing inflammation in the kidneys *Toxicology and applied pharmacology* 2021-02-22 [PMID: 33631230] (IHC-P, Mouse)

Zheng C, Huang L et al. Inhibition of STAT3 in tubular epithelial cells prevents kidney fibrosis and nephropathy in STZ-induced diabetic mice. *Cell Death Dis* 2019-07-11 [PMID: 31699972] (IF/IHC, Mouse)

Liang G, Song L et al. Fibroblast growth factor 1 ameliorates diabetic nephropathy by an anti-inflammatory mechanism. *Kidney Int* 2018-01-01 [PMID: 28750927] (IF/IHC, Human)

Luo W, Chen X, Ye L et al. Kaempferol attenuates streptozotocin-induced diabetic nephropathy by downregulating TRAF6 expression: the role of TRAF6 in diabetic nephropathy *Journal of Ethnopharmacology* 2020-11-01 [PMID: 33152432] (IHC-P, Mouse)

Chen X, Zhang X, Xu J et Al. AZD4547 Attenuates Lipopolysaccharide-Induced Acute Kidney Injury by Inhibiting Inflammation: The Role of FGFR1 in Renal Tubular Epithelial Cells *Drug Des Devel Ther* 2020-02-26 [PMID: 32161443] (IHC-P, IF/IHC, Mouse)

Chen X, Zhao Y, Xu J et al. The Nephroprotective Effect of TNF Receptor-Associated Factor 6 (TRAF6) Blockade on LPS-Induced Acute Renal Injury Through the Inhibition if Inflammation and Oxidative Stress *Med. Sci. Monit.* 2020-01-13 [PMID: 31929494] (IHC-P, Mouse)





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Products Related to NBP2-44607-0.1mg

| | |
|--------------------|---|
| HAF007 | Goat anti-Mouse IgG Secondary Antibody [HRP] |
| NB720-B | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| H00007490-Q01-10ug | Recombinant Human WT1 GST (N-Term) Protein |
| 292-G2-050 | IGF-II/IGF2 [Unconjugated] |

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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