BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Wilms Tumor Protein WT1 Rabbit Monoclonal Antibody

Catalog Number: M00199-1

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Overview

Product Name	Anti-Wilms Tumor Protein WT1 Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-Wilms Tumor Protein WT1 Rabbit Monoclonal Antibody catalog # M00199-1. Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse.
Application	Flow Cytometry, IF, IHC, ICC, WB
Clonality	Monoclonal CEH-23
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P19544

Technical Details

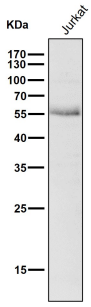
Immunogen	A synthesized peptide derived from human Wilms Tumor Protein
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB, 1:500-2000

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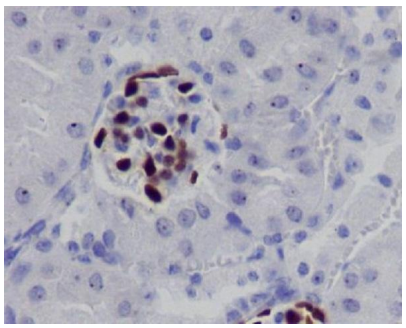
	IHC, 1:50-200 ICC/IF, 1:50-200 FC, 1:20

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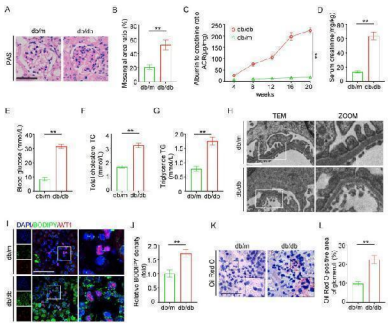
Anti-Wilms Tumor Protein WT1 Rabbit Monoclonal Antibody (M00199-1) Images



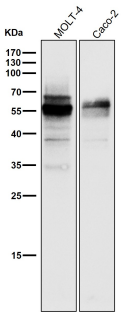
All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



Immunohistochemical analysis of paraffin-embedded mouse kidney, using Wilms Tumor Protein Antibody.

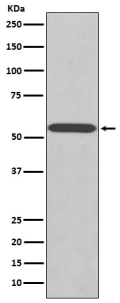


Construction of db/db model to evaluate changes in renal pathology lipid metabolism. Two groups of twenty-week-old mice were analyzed: db/m (n=6) and db/db (n=6). A-B. Representative PAS staining of glomeruli in each group, and the semiquantitative analysis of mesangial area ratio. (**<0.01, scale bar: 50 um). C-G. Biochemical examination: (C) UACR, (D) serum creatinine, (E) blood glucose, (F) serum cholesterol, (G) serum triglycerides. (**<0.01). H. Representative transmission electron microscopy (TEM) images of podocyte foot processes and glomerular basement membrane (GBM) in each group. (**<0.01, scale bar: 10 um). I-J. Representative immunofluorescence double staining of BODIPY and WT1 in the glomeruli of db/m and db/db mice, and semiquantitative analysis. (**<0.01, scale bar:50um). K-L. Oil Red O staining of lipid droplets (LDs) in the glomeruli of db/m and db/db mice, and semiquantitative analysis. (**<0.01, scale bar: 40 um).Index in PubMed under a CC BY license. PMID: 40607256



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Western blot analysis of WT1 expression in K562 cell lysate.

4 Publications Citing This Product

1. PubMed ID: 10.1016/j.molmet.2020.101089, P2Y2R contributes to the development of diabetic nephropathy by inhibiting autophagy response

2. PubMed ID: 32987187, Dusabimana T,Kim SR,Park EJ,Je J,Jeong K,Yun SP,Kim HJ,Kim H,Park SW.P2Y2R contributes to the development of diabetic nephropathy by inhibiting autophagy response.Mol Metab.2020 Dec;42:101089.doi:10.1016/j.molmet.2020.101089.Epub 2020 Sep 25.PMID:32987187;PMCID:PMC7568185.

3. PubMed ID: 33562139, Dusabimana T,Park EJ,Je J,Jeong K,Yun SP,Kim HJ,Kim H,Park SW.Geniposide Improves Diabetic Nephropathy by Enhancing ULK1-Mediated Autophagy and Reducing Oxidative Stress through AMPK Activation.Int J Mol Sci.2021 Feb 6;22(4):1651.doi:10.3390/ijms22041651.

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For Research Use Only. Not for use in diagnostic procedures.