

# **BOSTER BIOLOGICAL TECHNOLOGY, LTD.**

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[www.bosterbio.com](http://www.bosterbio.com)

## **Certificate of Analysis**

Note: this is a sample COA. To get the COA for your lot #, please contact us at [support@bosterbio.com](mailto:support@bosterbio.com)

To whom it may concern,

This letter attests that Anti-NPHS2 Antibody , catalog # PA1322-1, is manufactured by Boster Biological Technology., Ltd, through test and assay, we got the following data:

### **1. Immunogen**

A synthetic peptide corresponding to a sequence at the C-terminus of human NPHS2(368-383aa KPVEPLNPKKKDSPML), identical to the related mouse sequence, and different from the related rat sequence by one amino acid.

### **2. Application Data**

## **Applications Details**

Immunohistochemistry(Frozen Section), 0.5-1µg/ml, Rat, Human, Mouse  
Immunohistochemistry(Paraffin-embedded Section), 0.5-1µg/ml, Rat, Human, Mouse, By Heat  
Western blot, 0.1-0.5µg/ml, Rat, Human, Mouse

### **3. Cross Reaction**

No cross reactivity with other proteins

### **4. Image**

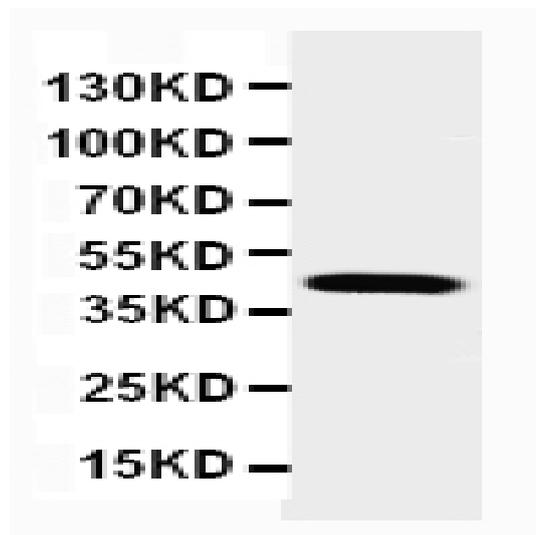


Figure 1. Western blot analysis of NPHS2 using anti- NPHS2 antibody (PA1322-1). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.

Lane 1: rat kidney tissue lysate.

After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti- NPHS2 antigen affinity purified polyclonal antibody (Catalog # PA1322-1) at 0.5  $\mu$ g/mL overnight at 4 $^{\circ}$ C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for NPHS2 at approximately 45KD. The expected band size for NPHS2 is at 42KD.

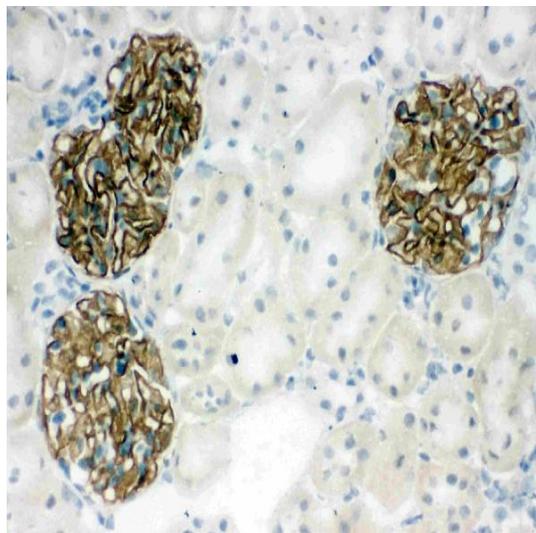


Figure 2. IHC analysis of NPHS2 using anti- NPHS2 antibody (PA1322-1). NPHS2 was detected in frozen section of rat kidney tissues. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1  $\mu$ g/ml rabbit anti- NPHS2 Antibody (PA1322-1) overnight at 4 $^{\circ}$ C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 $^{\circ}$ C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC)(Catalog # SA1022) with DAB as the chromogen.

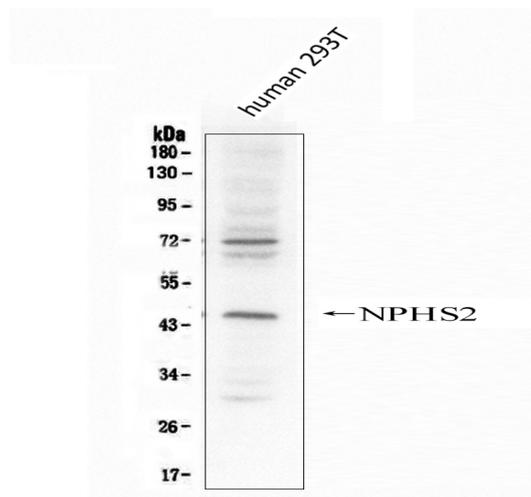


Figure 3. Western blot analysis of NPFS2 using anti- NPFS2 antibody (PA1322-1). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.

Lane 1: human 293T whole cell lysates.

After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 70 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti- NPFS2 antigen affinity purified polyclonal antibody (Catalog # PA1322-1) at 0.5 µg/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for NPFS2 at approximately 45KD. The expected band size for NPFS2 is at 42KD.

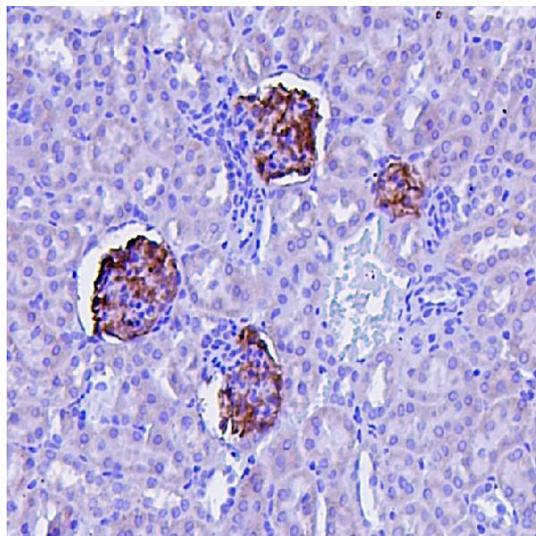


Figure 4. IHC analysis of NPFS2 using anti-NPFS2 antibody (PA1322-1). NPFS2 was detected in paraffin-embedded section of mouse kidney tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1 µg/ml rabbit anti-NPFS2 Antibody (PA1322-1) overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC)(Catalog # SA1022) with DAB as the chromogen.

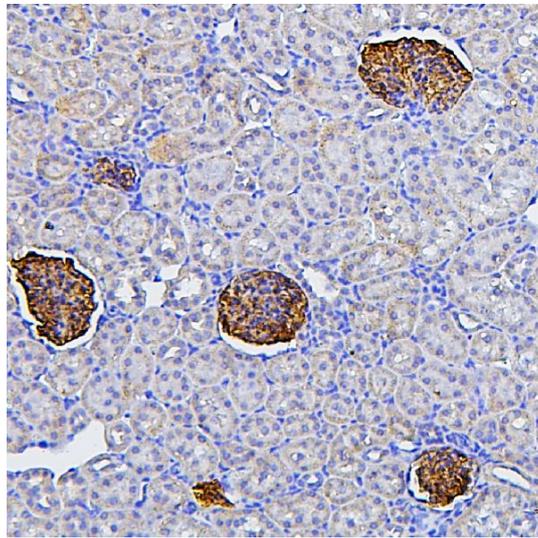


Figure 5. IHC analysis of NPHS2 using anti-NPHS2 antibody (PA1322-1). NPHS2 was detected in paraffin-embedded section of rat kidney tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1 $\mu$ g/ml rabbit anti-NPHS2 Antibody (PA1322-1) overnight at 4 $^{\circ}$ C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 $^{\circ}$ C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC)(Catalog # SA1022) with DAB as the chromogen.

Approved by:

A handwritten signature in blue ink, appearing to read 'Yangjing Yue' in Chinese characters.

Ms. Yangjing Yue Chief technician

Quality Control System of ELISA

Date: May 13, 2016