BOSTER BIOLOGICAL TECHNOLOGY, LTD.

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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

To whom it may concern,

This letter attests that Anti-Myosin Phosphatase/PPP1R12A Antibody , catalog # PA1681, 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 N-terminus of human PPP1R12A (1-17aa MKMADAKQKRNEQLKRW), identical to the related rat and mouse sequences.

2. Application Data

Applications Details

Western blot, 0.1-0.5µg/ml, Human, Mouse, Rat
Flow Cytometry, 1-3µg/1x10^6 cells, Human

3. Cross Reaction

No cross reactivity with other proteins

4. Image

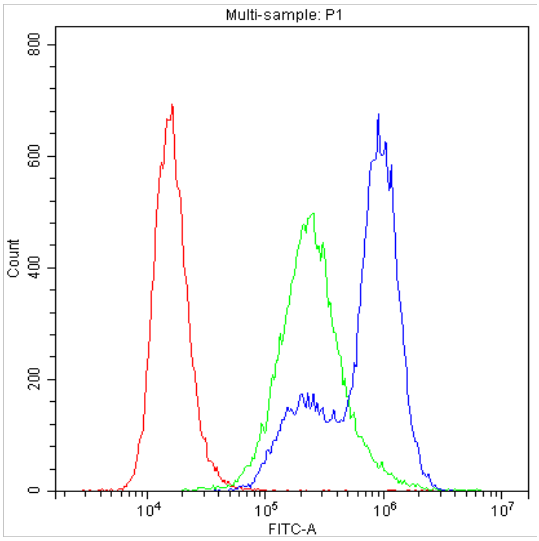

Figure 2. Flow Cytometry analysis of Hela cells using anti-PPP1R12A antibody (PA1681). Overlay histogram showing Hela cells stained with PA1681 (Blue line).The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-PPP1R12A Antibody (PA1681 ,1Î¼g/1x10^6 cells) for 30 min at 20Â°C. DyLightÂ®488 conjugated goat anti-rabbit IgG (BA1127, 5-10Î¼g/1x10^6 cells) was used as secondary antibody for 30 minutes at 20Â°C. Isotype control antibody (Green line) was rabbit IgG (1Î¼g/1x10^6) used under the same conditions. Unlabelled sample (Red line) was also used as a control.

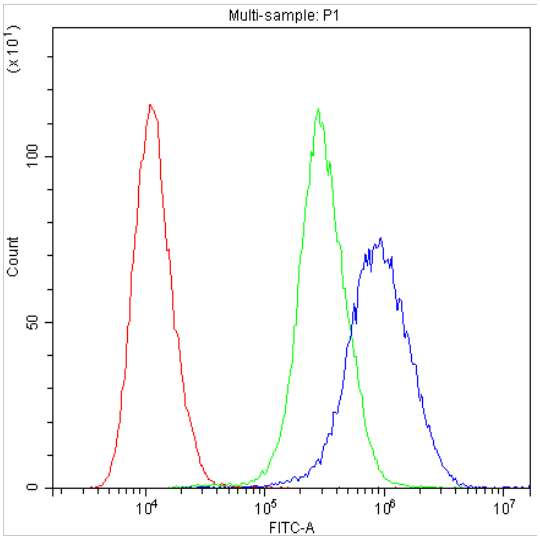

Figure 3. Flow Cytometry analysis of U251 cells using anti-PPP1R12A antibody (PA1681). Overlay histogram showing U251 cells stained with PA1681 (Blue line).The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-PPP1R12A Antibody (PA1681 ,1Î¼g/1x10^6 cells) for 30 min at 20Â°C. DyLightÂ®488 conjugated goat anti-rabbit IgG (BA1127, 5-10Î¼g/1x10^6 cells) was used as secondary antibody for 30 minutes at 20Â°C. Isotype control antibody (Green line) was rabbit IgG (1Î¼g/1x10^6) used under the same conditions. Unlabelled sample (Red line) was also used as a control.

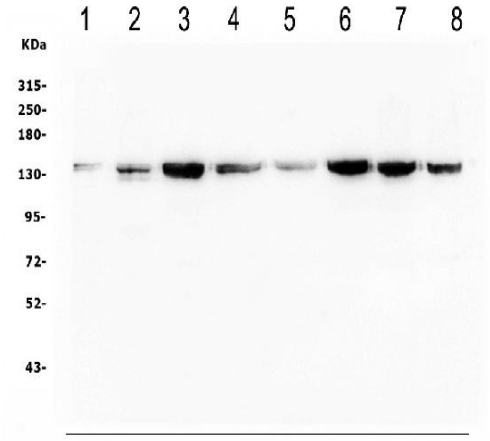

Figure 1. Western blot analysis of PPP1R12A using anti- PPP1R12A antibody (PA1681). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.
Lane 1: human Hela whole cell lysates,
Lane 2: human Jurka7 whole cell lysates,
Lane 3: human HEK293 whole cell lysates,
Lane 4: monkey COS-7 whole cell lysates,

Lane 5: human Raji whole cell lysates,
Lane 6: human K562 whole cell lysates,
Lane 7: human Caco-2 whole cell lysates,
Lane 8: human HepG2 whole cell lysates,
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- PPP1R12A antigen affinity purified polyclonal antibody (Catalog # PA1681) at 0.5 Î¼g/mL overnight at 4Â°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 PPP1R12A at approximately 140KD. The expected band size for PPP1R12A is at 115KD.

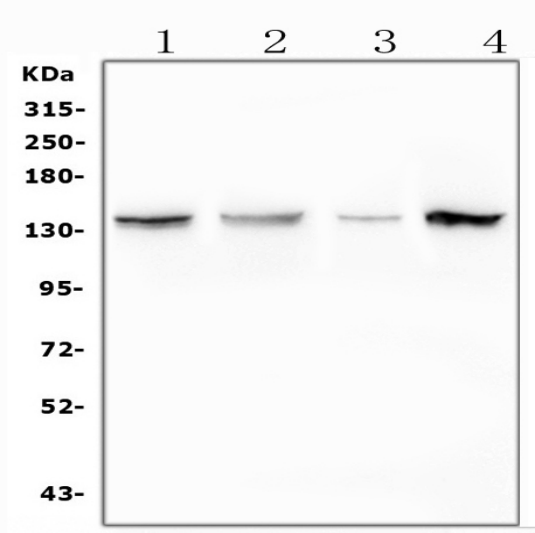

Figure 4. Western blot analysis of PPP1R12A using anti- PPP1R12A antibody (PA1681). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.
Lane 1: rat brain tissue lysates,
Lane 2: rat C6 whole cell lysates,
Lane 3: mouse liver tissue lysates,
Lane 4: mouse NIH/3T3 whole cell lysates,
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- PPP1R12A antigen affinity purified polyclonal antibody (Catalog # PA1681) at 0.5 Î¼g/mL overnight at 4Â°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 PPP1R12A at approximately 140KD. The expected band size for PPP1R12A is at 115KD.

Approved by:

Ms. Yangjing Yue Chief technician

Quality Control System of ELISA

Date: May 13, 2016