

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-Aquaporin 8/AQP8 Antibody , catalog # PA1511, 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 Aquaporin 8(1-19aa MSGEIAMCEPEFGNDKARE).

2. Application Data

Applications Details

Western blot, 0.1-0.5 μ g/ml, Human

3. Cross Reaction

No cross reactivity with other proteins

4. Image

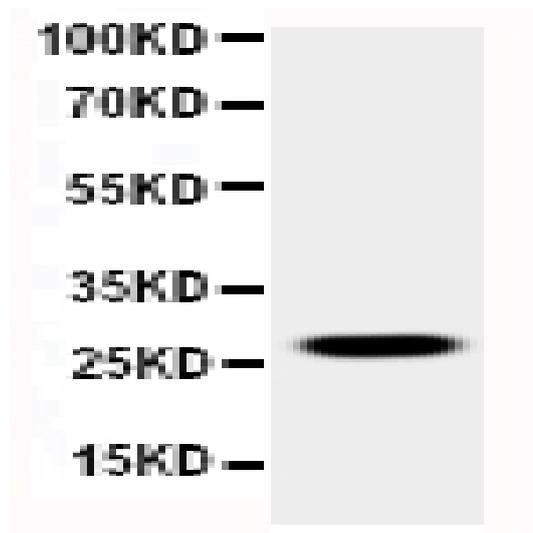


Figure 1. Western blot analysis of AQP8 using anti-AQP8 antibody (PA1511).

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 A431 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-AQP8 antigen affinity purified polyclonal antibody (Catalog # PA1511) 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 AQP8 at approximately 27KD.

The expected band size for AQP8 is at 27KD.

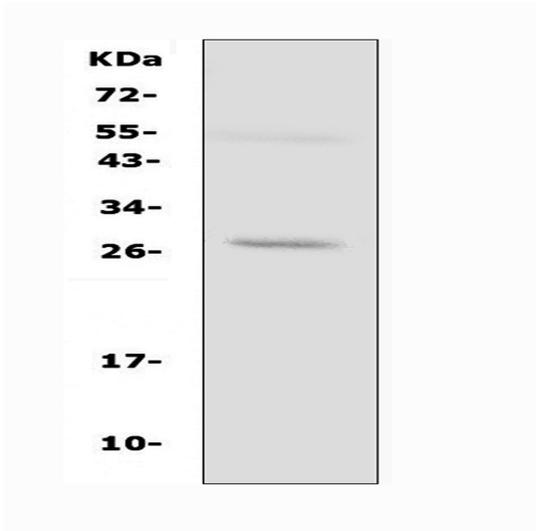


Figure 2. Western blot analysis of AQP8 using anti-AQP8 antibody (PA1511).

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 PC-3 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-AQP8 antigen affinity purified polyclonal antibody (Catalog # PA1511) 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 AQP8 at approximately 27KD.

The expected band size for AQP8 is at 27KD.

Approved by:

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

Ms. Yangjing Yue Chief technician

Quality Control System of ELISA

Date: May 13, 2016