

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-AIMP2/p38 Antibody , catalog # PA1481, 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 in the middle region of human AIMP2/p38(298-320aa NVQRWMRSCENLAPFNTALKLLK), different from the related rat and mouse sequences by three amino acids.

2. Application Data

Applications Details

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

3. Cross Reaction

No cross reactivity with other proteins

4. Image

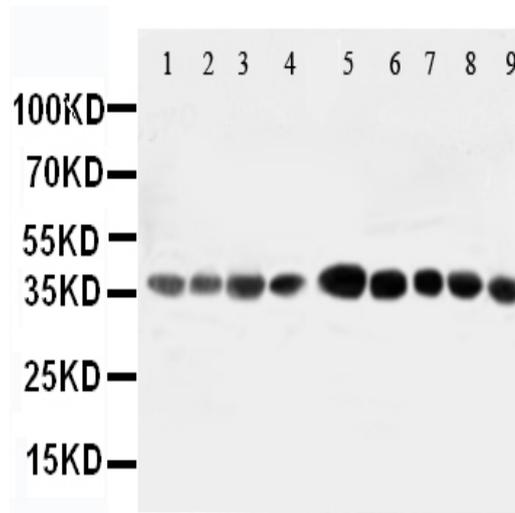


Figure 1. Western blot analysis of AIMP2 using anti-AIMP2 antibody (PA1481). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.

- Lane 1: rat liver tissue lysates,
- Lane 2: rat lung tissue lysates,
- Lane 3: rat kidney tissue lysates,
- Lane 4: rat brain tissue lysates,
- Lane 5: Jurkat cell lysates,
- Lane 6: CEM cell lysates,
- Lane 7: HUT cell lysates,
- Lane 8: U93T cell lysates,
- Lane 9: U93T 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-AIMP2 antigen affinity purified polyclonal antibody (Catalog # PA1481) 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.

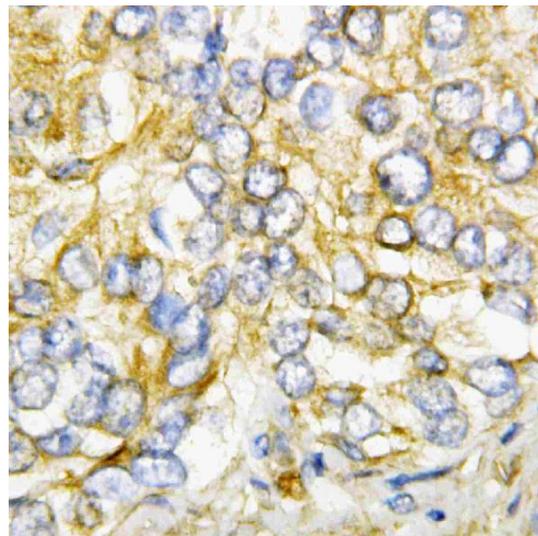


Figure 2. IHC analysis of AIMP2 using anti-AIMP2 antibody (PA1481). AIMP2 was detected in paraffin-embedded section of human rectal cancer tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The

tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1½g/ml rabbit anti-AIMP2 Antibody (PA1481) 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.

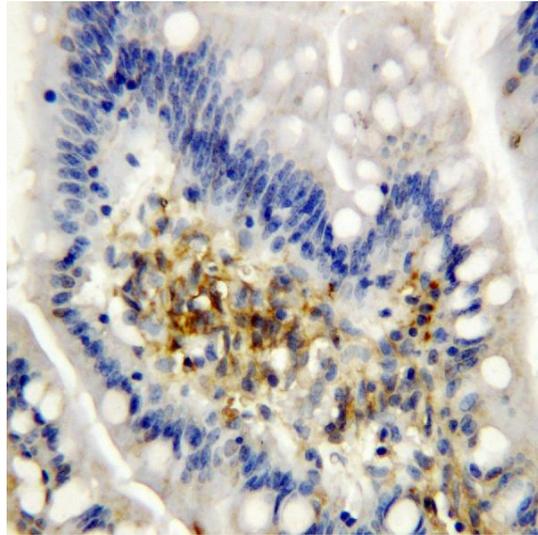


Figure 3. IHC analysis of AIMP2 using anti-AIMP2 antibody (PA1481).

AIMP2 was detected in paraffin-embedded section of rat intestine 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 1½g/ml rabbit anti-AIMP2 Antibody (PA1481) 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.

Approved by:

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

Ms. Yangjing Yue Chief technician

Quality Control System of ELISA

Date: May 13, 2016