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-Tropomyosin(Sarcomeric) Antibody (Monoclonal, CH1) , catalog # MA1097, is manufactured by Boster Biological Technology., Ltd, through test and assay, we got the following data:

1. Immunogen

Chicken muscle tropomyosin.

2. Application Data

Applications Details

Immunohistochemistry(Paraffin-embedded Section), 2-4μg/ml, Human, rat, chicken, By Heat
Immunohistochemistry(Frozen Section), 2-4μg/ml, Human, rat, chicken, -
Western blot, 1-2μg/ml, Human, rat, chicken

3. Cross Reaction

No cross reactivity with other proteins

4. Image

Figure 1. Western blot analysis of Tropomyosin(Sarcomeric) using anti- Tropomyosin(Sarcomeric) antibody (MA1097).
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 heart tissue lysates,
Lane 2: rat skeletal muscle tissue lysates,
Lane 3: mouse heart tissue lysates,
Lane 4: mouse skeletal muscle tissue lysates,
Lane 5: human Hela whole cell lysates,
Lane 6: human U2OS whole cell lysates,
Lane 7: human A549 whole cell lysates,
Lane 8: human Caco-2 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 mouse anti- Tropomyosin(Sarcomeric) antigen affinity purified monoclonal antibody (Catalog # MA1097) 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-mouse 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 # EK1001) with Tanon 5200 system. A specific band was detected for Tropomyosin(Sarcomeric) at approximately 39KD. The expected band size for Tropomyosin(Sarcomeric) is at 33KD.

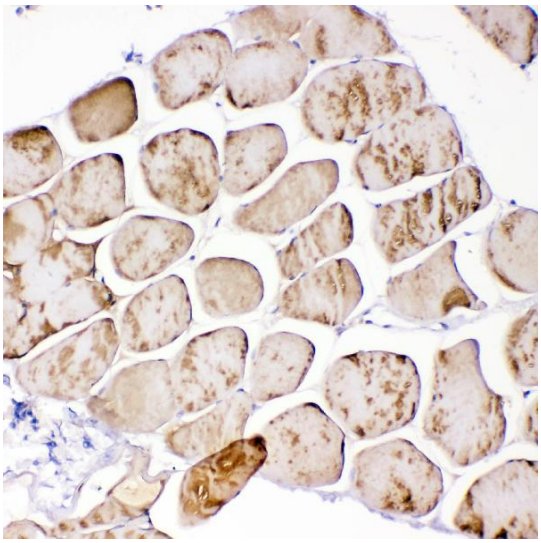

Figure 2. IHC analysis of Tropomyosin(Sarcomeric) using anti- Tropomyosin(Sarcomeric) antibody

(MA1097).
Tropomyosin(Sarcomeric) was detected in paraffin-embedded section of human skeletal muscle tissue. 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 1Î¼g/ml mouse anti-Tropomyosin(Sarcomeric) Antibody (MA1097) overnight at 4Â°C. Biotinylated goat anti-mouse IgG was used as secondary antibody and incubated for 30 minutes at 37Â°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC)(Catalog # SA1021) with DAB as the chromogen.

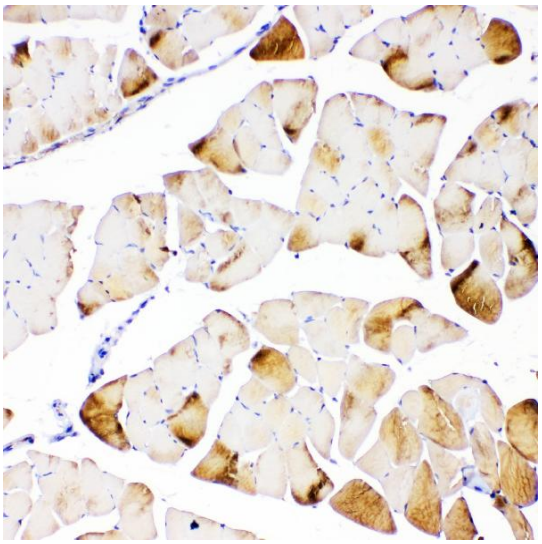

Figure 3. IHC analysis of Tropomyosin(Sarcomeric) using anti- Tropomyosin(Sarcomeric) antibody (MA1097).
Tropomyosin(Sarcomeric) was detected in paraffin-embedded section of mouse skeletal muscle tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1Î¼g/ml mouse anti-Tropomyosin(Sarcomeric) Antibody (MA1097) overnight at 4Â°C. Biotinylated goat anti-mouse IgG was used as secondary antibody and incubated for 30 minutes at 37Â°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC)(Catalog # SA1021) with DAB as the chromogen.

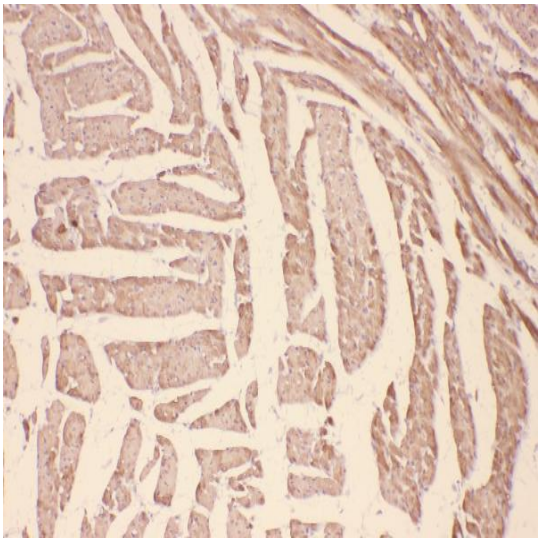

Figure 4. IHC analysis of Tropomyosin(Sarcomeric) using anti- Tropomyosin(Sarcomeric) antibody (MA1097).
Tropomyosin(Sarcomeric) was detected in paraffin-embedded section of rat heart tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated

with 1Î¼g/ml mouse anti-Tropomyosin(Sarcomeric) Antibody (MA1097) overnight at 4Â°C. Biotinylated goat anti-mouse IgG was used as secondary antibody and incubated for 30 minutes at 37Â°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC)(Catalog # SA1021) with DAB as the chromogen.

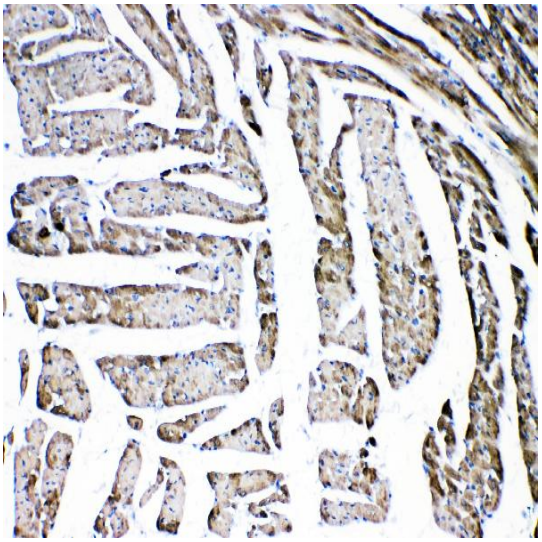

Figure 5. IHC analysis of Tropomyosin(Sarcomeric) using anti- Tropomyosin(Sarcomeric) antibody (MA1097).
Tropomyosin(Sarcomeric) was detected in paraffin-embedded section of rat heart tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1Î¼g/ml mouse anti-Tropomyosin(Sarcomeric) Antibody (MA1097) overnight at 4Â°C. Biotinylated goat anti-mouse IgG was used as secondary antibody and incubated for 30 minutes at 37Â°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC)(Catalog # SA1021) with DAB as the chromogen.

Approved by:

Ms. Yangjing Yue Chief technician

Quality Control System of ELISA

Date: May 13, 2016