

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-Hydroxysteroid (17-beta) Dehydrogenase 4/HSD17B4 Antibody , catalog # PA1727, 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 Hydroxysteroid(17-beta) Dehydrogenase 4(744-761aa NIMLSQKLQMILKDYAKL), identical to the related rat and mouse sequences.

2. Application Data

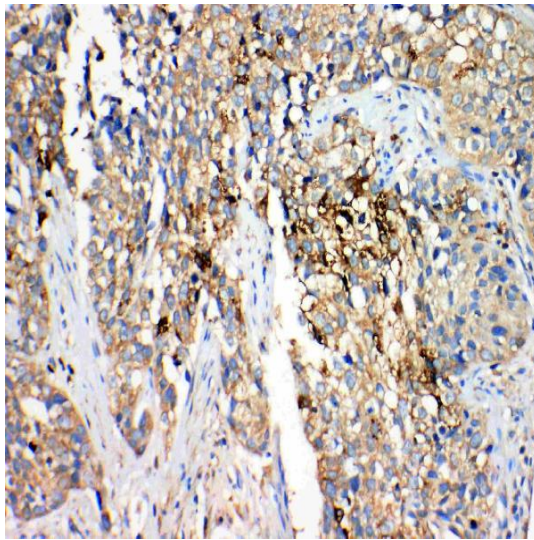
Applications Details

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

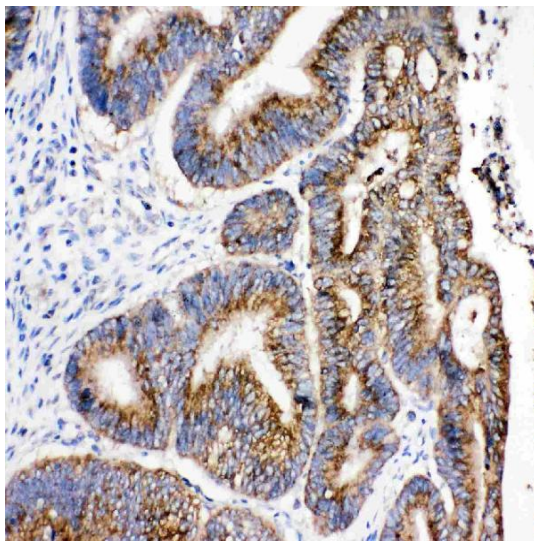
3. Cross Reaction

No cross reactivity with other proteins

4. Image



Anti-Hydroxysteroid(17-beta) Dehydrogenase 4 antibody, PA1727, IHC(P)
IHC(P): Human Lung Cancer Tissue



Anti-Hydroxysteroid(17-beta) Dehydrogenase 4 antibody, PA1727, IHC(P)
IHC(P): Human Intestinal Cancer Tissue

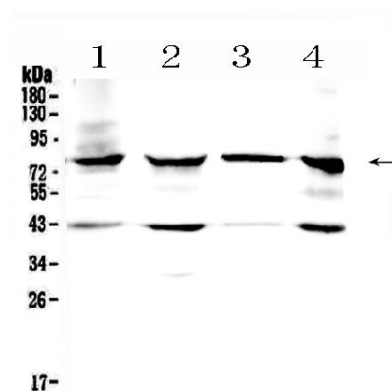


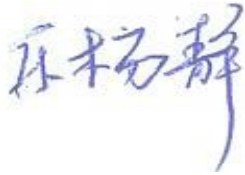
Figure 1. Western blot analysis of HSD17B4 using anti- HSD17B4 antibody (PA1727).

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: mouse heart tissue lysates,
- Lane 2: rat heart tissue lysates,
- Lane 3: human placenta tissue lysates,
- Lane 4: MCF-7 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- HSD17B4 antigen affinity purified polyclonal antibody (Catalog # PA1727) 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 HSD17B4 at approximately 80KD. The expected band size for HSD17B4 is at 80KD.

Approved by:



Ms. Yangjing Yue Chief technician

Quality Control System of ELISA

Date: May 13, 2016