

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-NOX2/gp91phox/CYBB Antibody , catalog # PA1667, 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 NOX2(442-459aa YWLCRDTHAFEWFADLLQ), identical to the related rat and mouse sequences.

2. Application Data

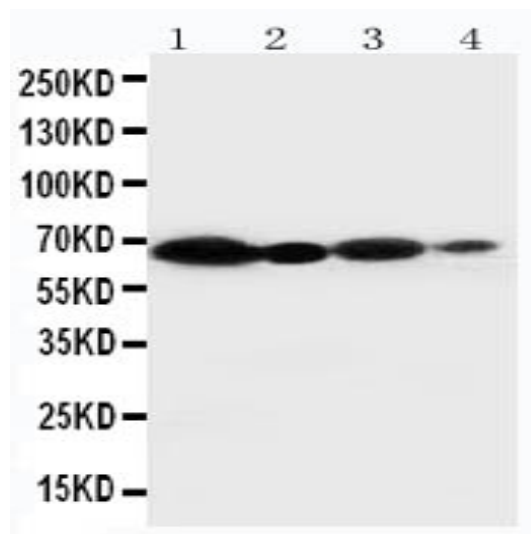
Applications Details

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

3. Cross Reaction

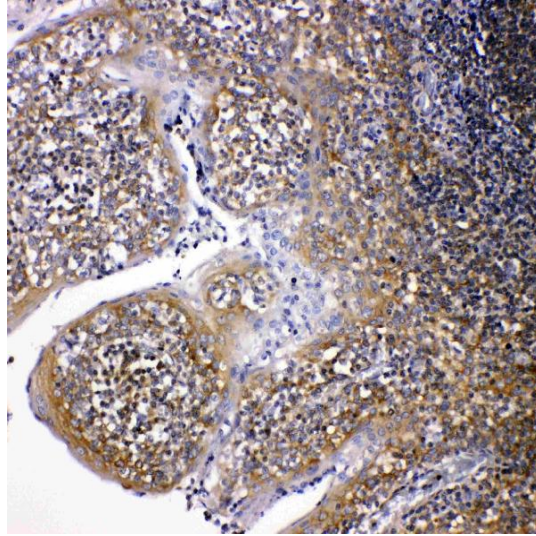
No cross reactivity with other proteins

4. Image



Anti-NOX2/gp91phox antibody, PA1667, Western blotting

Lane 1: HELA Cell Lysate
Lane 2: JURKAT Cell Lysate
Lane 3: MCF-7 Cell Lysate
Lane 4: SMMC Cell Lysate



Anti-NOX2/gp91phox antibody, PA1667, IHC(P)
IHC(P): Human Intestinal Cancer Tissue

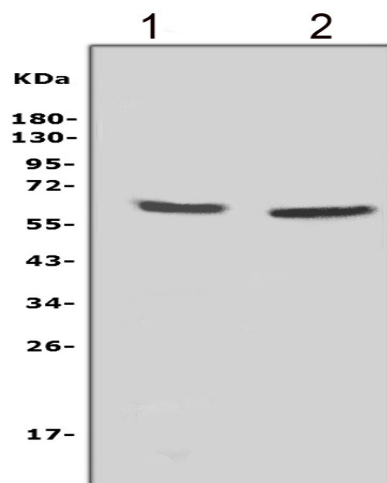


Figure 3. Western blot analysis of NOX2 using anti- NOX2 antibody (PA1667).

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.

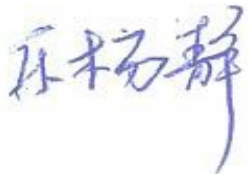
Lane 1: rat thymus tissue lysates,

Lane 2: rat brain tissue 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- NOX2 antigen affinity purified polyclonal antibody (Catalog # PA1667) 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 NOX2 at approximately 65KD.

The expected band size for NOX2 is at 65KD.

Approved by:



Ms. Yangjing Yue Chief technician

Quality Control System of ELISA

Date: May 13, 2016