BOSTER
antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-WNT7A Antibody Picoband™

Catalog Number: A01728

About WNT7A

This gene is a member of the WNT gene family, which consists of structurally related genes that encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. This gene is involved in the development of the anterior-posterior axis in the female reproductive tract, and also plays a critical role in uterine smooth muscle pattering and maintenance of adult uterine function. Mutations in this gene are associated with Fuhrmann and Al-Awadi / Raas – Rothschild / Schinzel phocomelia syndromes.

Overview

Product Name	Anti-WNT7A Antibody Picoband™
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-WNT7A Antibody Picoband™ catalog # A01728. Tested in Flow Cytometry, WB applications. This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage Instructions	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	O00755

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human WNT7A, identical to the related mouse sequences.
Predicted Reactive Species	Human
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml.

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Purification	Immunogen affinity purified.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: Western blot, 0.25-0.5 μg/ml, Human, Mouse, Rat Flow Cytometry, 1-3 μg/1x10^6 cells, Human, Mouse

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-WNT7A Antibody Picoband™ (A01728) Images

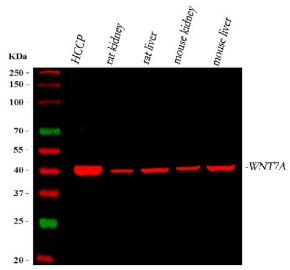

Figure 1. Western blot analysis of WNT7A using anti-WNT7A antibody (A01728).
Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human hepatocellular carcinoma paracancerous tissue (HCCP) lysates,
Lane 2: rat kidney tissue lysates,
Lane 3: rat liver tissue lysates,
Lane 4: mouse kidney tissue lysates,
Lane 5: mouse liver tissue lysates.
After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA 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-WNT7A antigen affinity purified polyclonal antibody (Catalog # A01728) at 0.5 ug/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-DyLight 647 Conjugated secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. A specific band was detected for WNT7A at approximately 40 kDa. The expected band size for WNT7A is at 40 kDa.

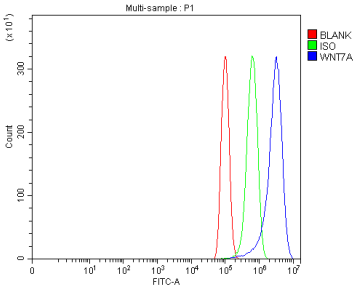

Figure 2. Flow Cytometry analysis of PC-3 cells using anti-WNT7A antibody (A01728).
Overlay histogram showing PC-3 cells stained with A01728 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-WNT7A Antibody (A01728, 1 ug/1x10^6 cells) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127, 5-10 ug/1x10^6 cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10^6) used under the same conditions. Unlabelled sample (Red line) was also used as a control.

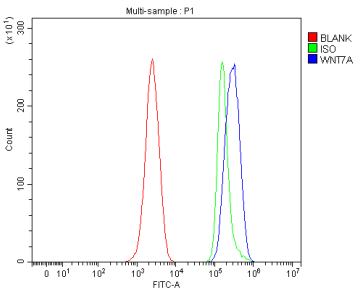

Figure 3. Flow Cytometry analysis of ANA-1 cells using anti-WNT7A antibody (A01728).
Overlay histogram showing ANA-1 cells stained with A01728 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-WNT7A Antibody (A01728, 1 ug/1x10^6 cells) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127, 5-10 ug/1x10^6 cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10^6) used under the same conditions. Unlabelled sample (Red line) was also used as a control.

Submit a product review to Biocompare.com

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-WNT7A Antibody