BOSTER
antibody and ELISA experts

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Anti-SNAIL/SNAI1 Antibody Picoband®

Catalog Number: A00716-2

About SNAI1

The Drosophila embryonic protein SNAI1, commonly known as Snail, is a zinc finger transcriptional repressor which downregulates the expression of ectodermal genes within the mesoderm. And it is located in 16q24.3. The nuclear protein encoded by this gene is structurally similar to the Drosophila snail protein, and is also thought to be critical for mesoderm formation in the developing embryo. At least two variants of a similar processed pseudogene have been found on chromosome 2. It is studied that SNAIL gene may show a role in recurrence of breast cancer by downregulating E-cadherin and inducing anepithelial to mesenchymal transition.

Overview

Product Name	Anti-SNAIL/SNAI1 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-SNAIL/SNAI1 Antibody Picoband® catalog # A00716-2. Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	ELISA, 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	O95863

Technical Details

Immunogen	E.coli-derived human SNAIL/SNAI1 recombinant protein (Position: M1-K170).
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 ug/ml.

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Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Human, Mouse, Rat Flow Cytometry (Fixed), 1-3 ug/1x10^6 cells, Human ELISA, 0.1-0.5 ug/ml, -

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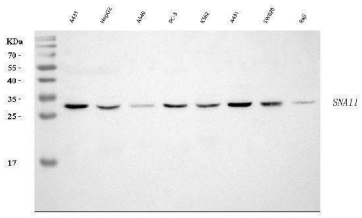
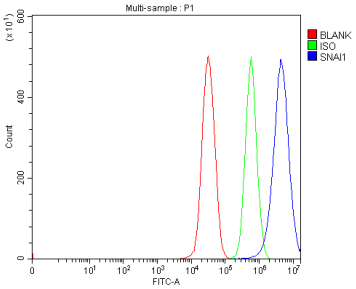
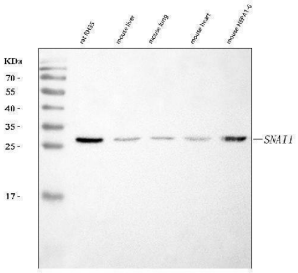
Anti-SNAIL/SNAI1 Antibody Picoband® (A00716-2) Images



Western blot analysis of SNAIL/SNAI1 using anti-SNAIL/SNAI1 antibody (A00716-2). 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 A431 whole cell lysates, Lane 2: human HepG2 whole cell lysates, Lane 3: human A549 whole cell lysates, Lane 4: human PC-3 whole cell lysates, Lane 5: human K562 whole cell lysates, Lane 6: human A431 whole cell lysates, Lane 7: human SW620 whole cell lysates, Lane 8: human Raji whole cell lysates. red 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-SNAIL/SNAI1 antigen affinity purified polyclonal antibody (Catalog # A00716-2) 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-HRP secondary antibody at a dilution of 1:5000 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 SNAIL/SNAI1 at approximately 29 kDa. The expected band size for SNAIL/SNAI1 is at 29 kDa.



Flow Cytometry analysis of 293T cells using anti-SNAIL/SNAI1 antibody (A00716-2).



Western blot analysis of SNAIL/SNAI1 using anti-SNAIL/SNAI1 antibody (A00716-2). 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: rat RH35 whole cell lysates, Lane 2: mouse liver tissue lysates, Lane 3: mouse lung tissue lysates, Lane 4: mouse heart tissue lysates, Lane 5: mouse HEPA1-6 whole cell lysates. red 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-SNAIL/SNAI1 antigen affinity purified polyclonal antibody (Catalog # A00716-2) 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-HRP secondary antibody at a dilution of 1:5000 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 SNAIL/SNAI1 at

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approximately 29 kDa. The expected band size for SNAIL/SNAI1 is at 29 kDa.

Anti-SNAIL/SNAI1 Antibody

For Research Use Only. Not for use in diagnostic procedures.