Product datasheet

Anti-SNAI1 Antibody

Catalog Number: *PB0449*

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Basic Information

Product Name	Anti-SNAI1 Antibody
Gene Name	SNAI1
Source	Rabbit
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB
Contents	500 ug/ml antibody with PBS， 0.02% NaN3 , 1 mg BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human SNAIL(127-155aa AAFPGLGQVPKQLAQLSEAKDLQARKAFN), different from the related mouse sequence by six amino acids.
concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	25-29KD
Dilution Ratios	Western blot(WB):1:500-2000

Storage

12 months from date of receipt，-20℃ as supplied. 6 months 2 to 8℃ after reconstitution. Avoid repeated freezing and thawing.

Background Information

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.

Reference

Anti-SNAI1 Antibody被引用在2文献中。

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Selected Validation Data

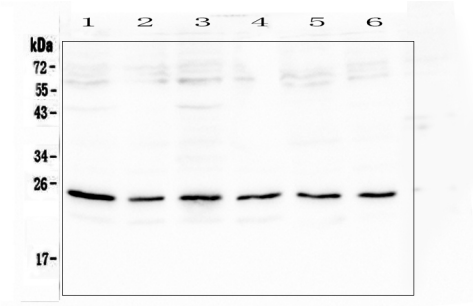

Figure 1. Western blot analysis of SNAIL using anti- SNAIL antibody (PB0449). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: human SW620 whole cell lysates,Lane 2: human COLO-320 whole cell lysates,Lane 3: human Caco-2 whole cell lysates, Lane 4: human Hela whole cell lysates, Lane 5: human MCF-7 whole cell lysates, Lane 6: human SMMC-7721 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- SNAIL antigen affinity purified polyclonal antibody (Catalog # PB0449) 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 SNAIL at approximately 29KD. The expected band size for SNAIL is at 25-29KD.