Product datasheet

Anti-SNAI1 Antibody

Catalog Number: *A00716-2*

BOSTER
antibody and ELISA experts
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Basic Information

Product Name	Anti-SNAI1 Antibody
Gene Name	SNAI1
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, FCM, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E.coli-derived human SNAIL/SNAI1 recombinant protein (Position: M1-K170).
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	29 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Flow Cytometry (Fixed): 1:50-200 Enzyme linked immunosorbent assay (ELISA):1:100-1000

Storage

12 months from date of receipt，-20℃ as supplied.

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3文献中。

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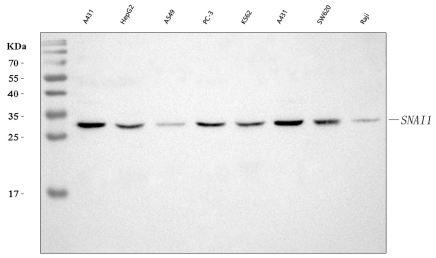
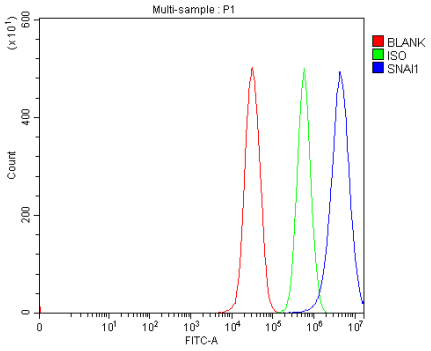
Selected Validation Data



Western blot analysis of SNAI1 using anti-SNAI1 antibody (A00716-2). 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.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-SNAI1 antigen affinity purified polyclonal antibody (A00716-2) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for SNAI1 at approximately 29 kDa. The expected band size for SNAI1 is at 29 kDa.



Flow Cytometry analysis of 293T cells using anti-SNAI1 antibody (A00716-2).
Overlay histogram showing 293T cells stained with A00716-2 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-SNAI1 Antibody (A00716-2) at 1:100 dilution for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127) was used as secondary antibody at 1:100 dilution for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG at 1:100 dilution used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.

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