

Basic Information

Product Name	Anti-SNAI1 Antibody
Gene Name	SNAI1
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human SNAI1, different from the related mouse sequence by six amino acids.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	29 kDa
Dilution Ratios	Western blot (WB):1:500-2000

Storage

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

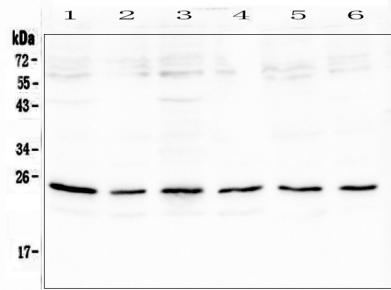
Background Information

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 SNAI1 gene may show a role in recurrence of breast cancer by downregulating E-cadherin and inducing an epithelial to mesenchymal transition.

Reference

Anti-SNAI1 Antibody被引用在8文献中。

Selected Validation Data



Western blot analysis of SNAI1 using anti-SNAI1 antibody (PB0449). The sample well of each lane was loaded with 30 ug 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 membrane. Then the membrane was incubated with rabbit anti-SNAI1 antigen affinity purified polyclonal antibody (PB0449) 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.