

Basic Information

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| Product Name | Anti-SNAI1 Antibody |
| Gene Name | SNAI1 |
| Source | Rabbit |
| Isotype | IgG |
| Species Reactivity | human, mouse, rat |
| Tested Application | WB, FCM, ELISA |
| Contents | 500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg 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 | 29KD |
| Dilution Ratios | Western blot(WB): 1:500-2000 Flow cytometry (FCM): 1-3 µg/1x10 ⁶ cells ELISA: 1:100-1000 |

Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C 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 an epithelial to mesenchymal transition.

Selected Validation Data

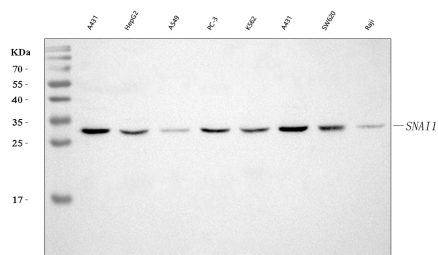


Figure 1. Western blot analysis of anti- SNAI1/SNAIL antibody (A00716-2). The sample well of each lane was loaded with 50ug of sample under reducing conditions.

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.

Use rabbit anti- SNAI1/SNAIL 1:1000, probed with a goat anti-rabbit IgG-HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002). A specific band was detected for SNAI1/SNAIL at approximately 29KD. The expected band size for SNAI1/SNAIL is at 29KD.