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# SNAI1 Recombinant Rabbit mAb

Catalog # AP96680

## Product Information

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| **Application** | WB |
| **Reactivity** | Human |
| **Host** | Rabbit |
| **Clonality** | Recombinant |
| **Calculated MW** | 32 KDa |
| **Immunogen** | Recombinant human SNAI1 protein |
| **Epitope Specificity** | 22-164/264 |
| **Isotype** | IgG |
| **Purity** | affinity purified by Protein A |
| **Buffer** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. |
| **SIMILARITY** | Belongs to the snail C2H2-type zinc-finger protein family. Contains 4 C2H2-type zinc fingers. |
| **SUBUNIT** | Interacts with FBXL14 and GSK3B. Interacts with BTRC; interaction occurs when it is phosphorylated on the destruction motif. Interacts (via SNAG domain) with WTIP (via LIM domains). Interacts (via SNAG domain) with LIMD1 (via LIM domains), and AJUBA (via LIM domains). Interacts with LOXL2 and LOXL3. |
| **Post-translational modifications** | Phosphorylated by GSK3B. Once phosphorylated, it becomes a target for BTRC ubiquitination.Ubiquitinated on Lys-98, Lys-137 and Lys-146 by FBXL14 and BTRC leading to degradation. BTRC-triggered ubiquitination requires previous GSK3B-mediated SNAI1 phosphorylation.O-GlcNAcylation at Ser-112 is enhanced in hyperglycaemic conditions, it opposes phosphorylation by GSK3B, and stabilizes the protein. |
| **Important Note** | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |
| **Background Descriptions** | The Drosophila embryonic protein snail is a zinc finger transcriptional repressor which downregulates the expression of ectodermal genes within the mesoderm. 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. [provided by RefSeq, Jul 2008] |

## Additional Information

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| **Other Names** | SLUGH2; SNA; SNAH; SNAIL; SNAIL1; dJ710H13.1; Sna1; SNAI1_HUMAN; SNAI1; Protein snail homolog 1 (Protein sna); SNAI1_MOUSE; snail family transcriptional repressor 1; snail 1 (drosophila homolog), zinc finger protein; snail homolog 1 (Drosophila); snail family zinc finger 1 |
| **Dilution** | WB=1:500-2000,Flow-Cyt=1ug/Test |
| **Storage** | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When |

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| | reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |
| **Name** | SNAI1 Recombinant Rabbit mAb |
| **Function** | Involved in the epithelial to mesenchymal transition (EMT) and formation and maintenance of embryonic mesoderm. Binds to 3 E-boxes of the E-cadherin gene promoter and represses its transcription. |

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.