

SNAI1 Recombinant Rabbit mAb

Catalog # AP96680

Product Information

Application	WB
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

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 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

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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'.