Datasheet for ABIN3032657

anti-SNAIL antibody (AA 9-39)

5 Images

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Overview

Quantity:	0.4 mL
Target:	SNAIL (SNAI1)
Binding Specificity:	AA 9-39
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SNAIL antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	A portion of amino acids 9-39 from the human protein was used as the immunogen for this anti-SNAIL antibody.
Isotype:	Ig Fraction
Purification:	Purified

Target Details

Target:	SNAIL (SNAI1)
Abstract:	SNAI1 Products
Background:	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. The nuclear protein encoded by this gene is structurally similar to the Drosophila

Target Details

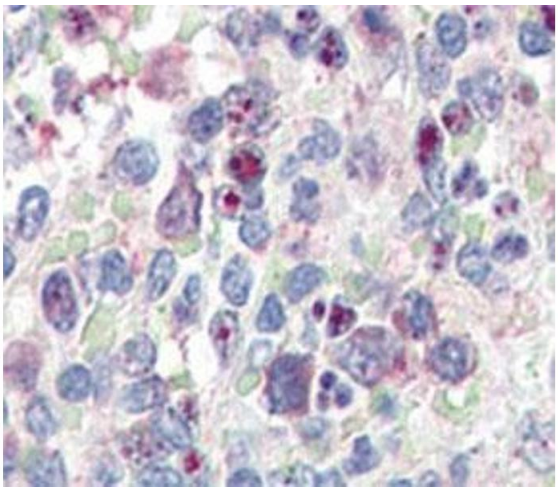
	snail protein, and is also thought to be critical for mesoderm formation in the developing embryo. At least two variants of a similar processed pseudogene have been found on chromosome 2. SNAI1 zinc-fingers (ZF) binds to E-box, an E-cadherin promoter region, and represses the expression of the adhesion molecule, which induces the tightly bound epithelial cells to break loose from each other and migrate into the developing embryo to become mesenchymal cells. This process allows for the formation of the mesodermal layer in the developing embryo. Though SNAI1 is shown to repress expression of E-cadherin in epithelial cells, studies have shown homozygous mutant embryos are still able to form a mesodermal layer. However, the mesodermal layer present shows characteristics of epithelial cells and not mesenchymal cells (the mutant mesoderm cells exhibited a polarized state). Other studies show that mutation of specific ZFs contribute to a decrease in SNAI1 E-cadherin repression. [Wiki]
UniProt:	O95863
Pathways:	Negative Regulation of intrinsic apoptotic Signaling

Application Details

Application Notes:	Titration of the anti-SNAIL antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:10-1:50
Restrictions:	For Research Use only

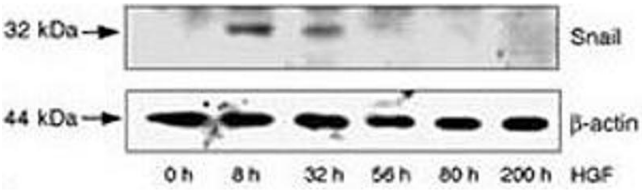
Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the anti-SNAIL antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



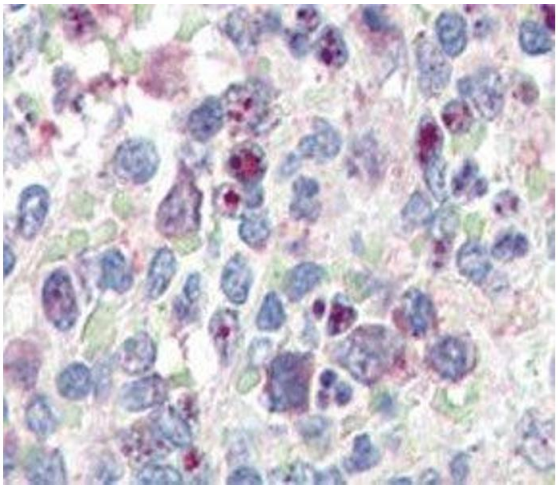
Immunohistochemistry

Image 1. IHC analysis of FFPE human spleen tissue stained with anti-SNAIL antibody



Western Blotting

Image 2. HepG2 cells were incubated with HGF for the indicated time periods. LiCl and MG132 were added 8 hr before lysis of the cells. SNAIL protein and beta actin (loading control) levels were analyzed by western blot.



Immunohistochemistry

Image 3. IHC analysis of FFPE human spleen tissue stained with anti-SNAIL antibody

Please check the product details page for more images. Overall 5 images are available for ABIN3032657.