

ARG67147 anti-SNAIL antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes SNAIL
Tested Reactivity	Hu, Ms
Predict Reactivity	Mk
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	SNAIL
Species	Human
Immunogen	Synthesized peptide corresponding to a.a. 215-264 of Human SNAIL.
Conjugation	Un-conjugated
Alternate Names	SNAIL1; Snail Family Transcriptional Repressor 1; SNAH; SLUGH2; SNAIL1; SNAIL; SNA; Snail Family Zinc Finger 1; Zinc Finger Protein SNAIL1; Protein Snail Homolog 1; Protein Sna; Snail 1 (Drosophila Homolog), Zinc Finger Protein; Snail Homolog 1 (Drosophila); Snail 1 Zinc Finger Protein; Snail 1 Homolog; Snail Homolog 1; DJ710H13.1

Application Instructions

Application table	Application	Dilution
	IHC-P	1:100 - 1:300
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

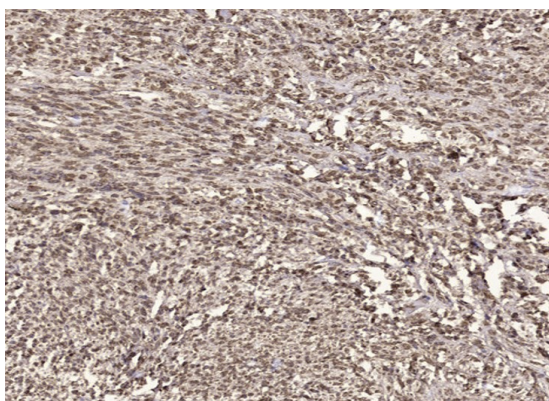
Form	Liquid
Purification	Affinity purified
Buffer	PBS with 50% glycerol, 0.5% BSA and 0.02% sodium azide
Preservative	0.02% Sodium azide
Stabilizer	50% glycerol and 0.5% BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	SNAI1
Gene Full Name	Snail Family Transcriptional Repressor 1
Background	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]
Function	Involved in induction of the epithelial to mesenchymal transition (EMT), formation and maintenance of embryonic mesoderm, growth arrest, survival and cell migration. Binds to 3 E-boxes of the E-cadherin/CDH1 gene promoter and to the promoters of CLDN7 and KRT8 and, in association with histone demethylase KDM1A which it recruits to the promoters, causes a decrease in dimethylated H3K4 levels and represses transcription. Associates with EGR1 and SP1 to mediate tetradecanoyl phorbol acetate (TPA)-induced up-regulation of CDKN2B, possibly by binding to the CDKN2B promoter region 5'-TCACA-3. In addition, may also activate the CDKN2B promoter by itself. [UniProt]
Highlight	Related products: SNAIL antibodies ; Anti-Rabbit IgG secondary antibodies ; Related news: Understanding Your Cells: Choose the right markers SM5-1, a promising immunotherapy for Hepatocellular Carcinoma (HCC)
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Controls and Markers antibody; Developmental Biology antibody; Gene Regulation antibody; Neuroscience antibody
Calculated Mw	29 kDa
PTM	ADP-ribosylation, Glycoprotein, Isopeptide bond, Phosphoprotein, Ubl conjugation. [UniProt]
Cellular Localization	Cytoplasm, Nucleus. [UniProt]

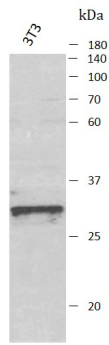
Images



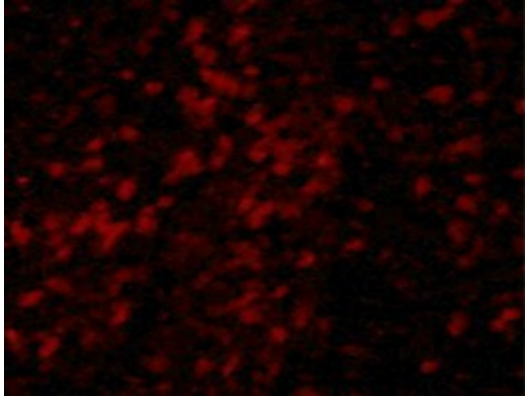
ARG67147 anti-SNAIL antibody IHC-P image

Immunohistochemistry: Human small intestinal carcinoma stained with ARG67147 anti-SNAIL antibody at 1:200 dilution.

ARG67147 anti-SNAIL antibody WB image



Western blot: 3T3 stained with ARG67147 anti-SNAIL antibody at 1:1000 dilution.



ARG67147 anti-SNAIL antibody IHC-P image

Immunohistochemistry: Rat spleen stained with ARG67147 anti-SNAIL antibody at 1:200 dilution.