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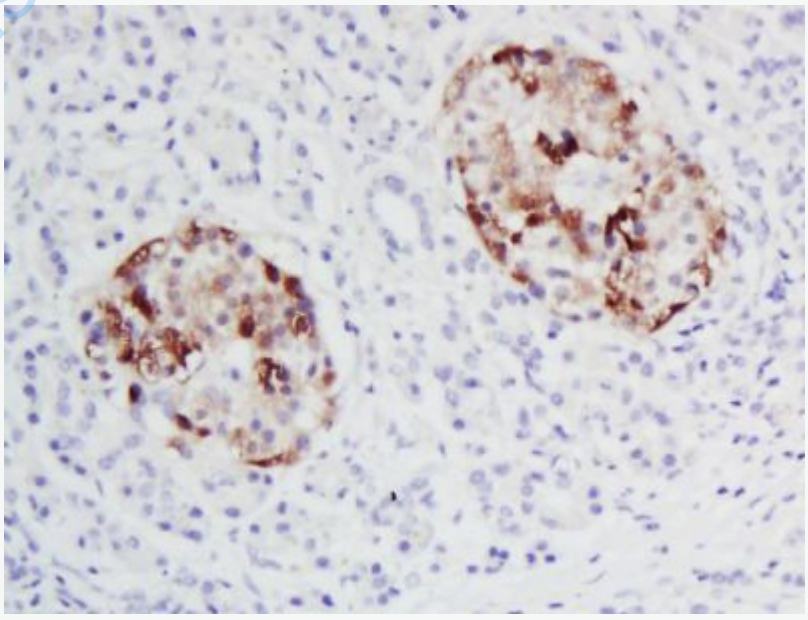
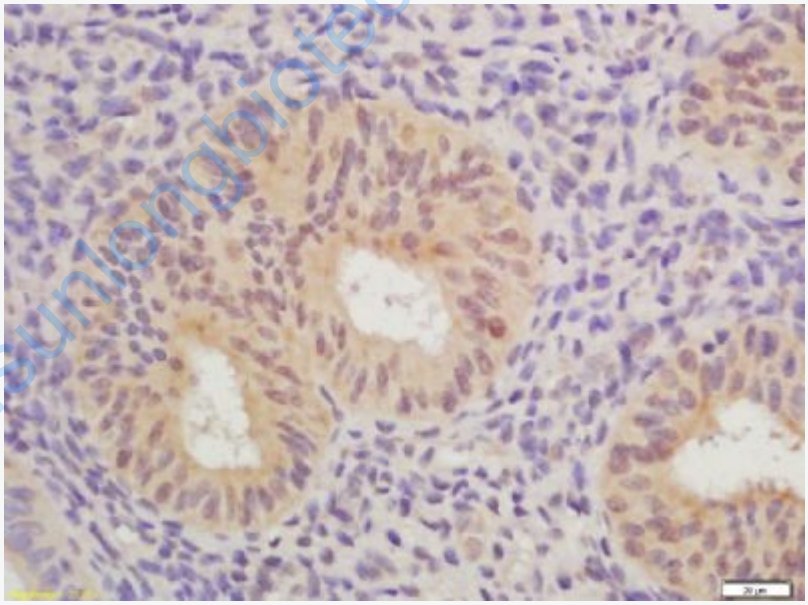
Rabbit Anti-SNAIL antibody

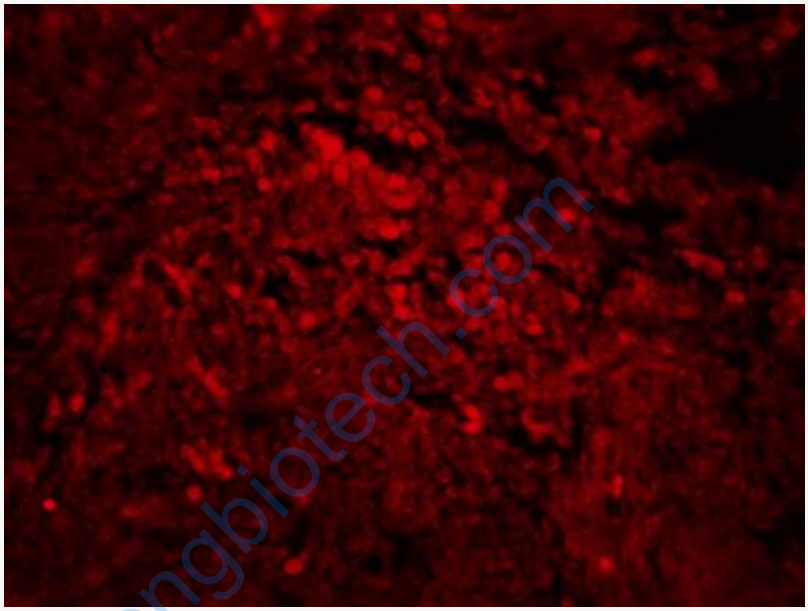
SL1371R

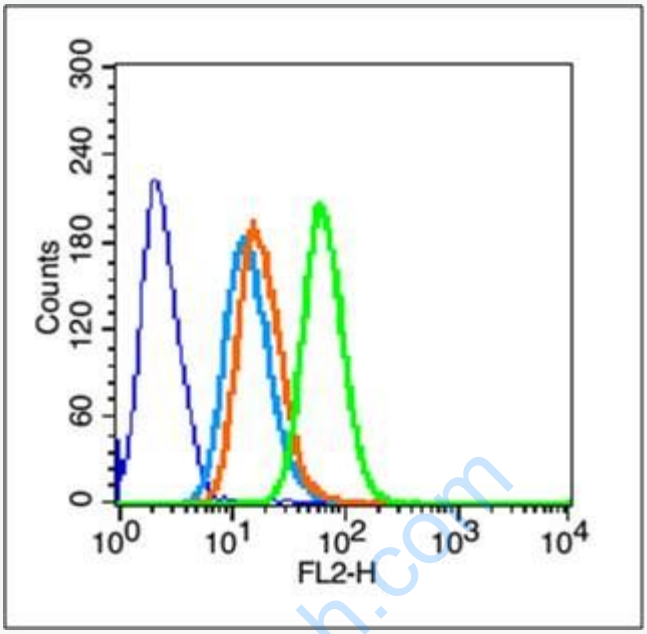
Product Name:	SNAIL
Chinese Name:	Snail蛋白抗体
Alias:	dJ710H13.1; Protein sna; Protein snail homolog; SLUGH2; SNA; Sna protein; SNAH; SNAI1; SNAI 1; Snail homolog 1 (Drosophila); Zinc finger protein SNAI1; SNAI1_HUMAN; Protein snail homolog 1; dJ710H13.1; SNAIL; SNAIL1; Protein sna.
文献引用 PubMed :	**Specific References(1)**|SL1371R has been referenced in 1 publications. **[IF=1.76]**Takahashi, Masayuki, et al. "Epithelial–mesenchymal transition of the eccrine glands is involved in skin fibrosis in morphea." The Journal of Dermatology (2013).**IHC-P;Human**. PubMed:23855882
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=1μg/TestIF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	29kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Anail:188-264/264
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year

	when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	The zinc finger transcription factor 'SNAIL' was first identified in Drosophila and, along with 'twist', a basic helix-loop-helix transcription factor, is indispensable for mesoderm formation. SNAIL is a repressor of mouse E-cadherin transcription, with expression of SNAIL inversely correlated with expression of E-cadherin. Abnormal expression of SNAIL could underlie the tumorigenic conversion of epithelia associated with loss of E-cadherin expression through screening mouse and human cell lines and by in situ hybridization of primary human tumors undergoing malignant progression. **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. **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. **Subcellular Location:** Nucleus. Cytoplasm. Note=Once phosphorylated (probably on Ser-107, Ser-111, Ser-115 and Ser-119) it is exported from the nucleus to the cytoplasm where subsequent phosphorylation of the destruction motif and ubiquitination involving BTRC occurs. **Tissue Specificity:** Expressed in a variety of tissues with the highest expression in kidney. Expressed in mesenchymal and epithelial cell lines. **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. **Similarity:** Belongs to the snail C2H2-type zinc-finger protein family. Contains 4 C2H2-type zinc fingers. **SWISS:** O95863

	Gene ID: 6615 **Database links:** Entrez Gene: 6615 Human Entrez Gene: 20613 Mouse Entrez Gene: 116490 Rat Omim: 604238 Human SwissProt: O95863 Human SwissProt: Q02085 Mouse Unigene: 48029 Human Unigene: 2093 Mouse **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. Snail蛋白主要用于消化系统Tumour方面的研究
Picture:	

	Tissue/cell: human pancreas carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min; Incubation: Anti-Sna1l Polyclonal Antibody, Unconjugated(SL1371R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining
	 Tissue/cell: human cervical carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: 0.01M TBS (pH 7.5), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;

	Incubation: Anti-Sna1l Polyclonal Antibody, Unconjugated(SL1371R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining
	
	Tissue/cell: human laryngocarcinoma;4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min; Incubation: Anti-Sna1l Polyclonal Antibody, Unconjugated(SL1371R) 1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated(SL1371R)used at 1:200 dilution for 40 minutes at 37°C.



Blank control (blue line): Hela (blue).

Primary Antibody (green line): Rabbit Anti-SNAIL antibody (SL1371R)

Dilution: 1µg /10^6 cells;

Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE

Dilution: 1µg /test.

Protocol

The cells were fixed with 70% methanol (Overnight at 4℃) and then permeabilized with 90% ice-cold methanol for 20 min at -20℃. Cells stained with Primary Antibody for 30 min at room temperature. The cells were then incubated in 1 X PBS/2%BSA/10% goat serum to block non-specific protein-protein interactions followed by the antibody for 15 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.