

## SNAI 1 Polyclonal Antibody

<b>Catalog No :</b>	YT4351
<b>Reactivity :</b>	Human;Mouse;Monkey
<b>Applications :</b>	WB;IP;IHC;IF;ELISA
<b>Target :</b>	SNAI1
<b>Fields :</b>	>>Adherens junction
<b>Gene Name :</b>	SNAI1
<b>Protein Name :</b>	Zinc finger protein SNAI1 (snail)
<b>Human Gene Id :</b>	6615
<b>Human Swiss Prot No :</b>	O95863
<b>Mouse Gene Id :</b>	20613
<b>Mouse Swiss Prot No :</b>	Q02085
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human SNAI1. AA range:215-264
<b>Specificity :</b>	SNAI 1 Polyclonal Antibody detects endogenous levels of SNAI 1 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:5000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml

**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

**Observed Band :** 29kD

**Cell Pathway :** Adherens\_Junction;

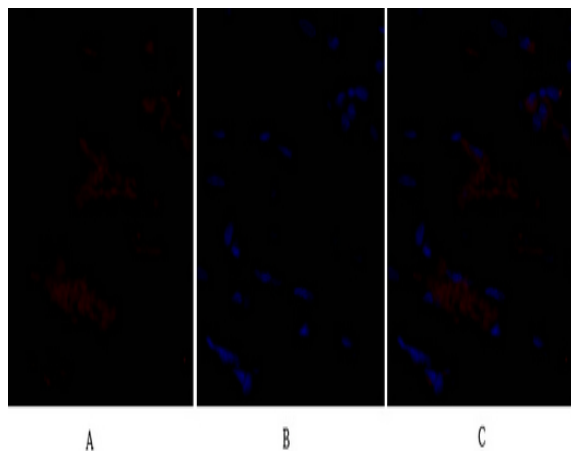
**Background :** snail family transcriptional repressor 1(SNAI1) Homo sapiens The Drosophila embryonic protein snail is a zinc finger transcriptional repressor which downregulates the expression of ectodermal genes within the mesoderm. The nuclear protein encoded by this gene is structurally similar 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 :** function:Seems to be involved in embryonic mesoderm formation. Binds to 3 E-boxes of the E-cadherin gene promoter and represses its transcription.,similarity:Belongs to the snail C2H2-type zinc-finger protein family.,similarity:Contains 4 C2H2-type zinc fingers.,tissue specificity:Expressed in a variety of tissues with the highest expression in kidney.,

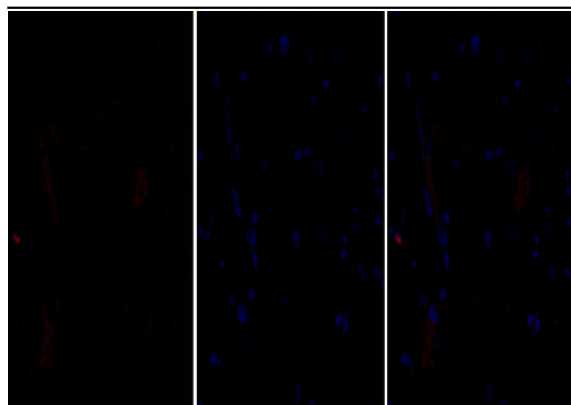
**Subcellular Location :** Nucleus . Cytoplasm . Once phosphorylated (probably on Ser-107, Ser-111, Ser-115 and Ser-119) it is exported from the nucleus to the cytoplasm where subsequent phosphorylation of the destruction motif and ubiquitination involving BTRC occurs. .

**Expression :** Expressed in a variety of tissues with the highest expression in kidney. Expressed in mesenchymal and epithelial cell lines.

## Products Images



Immunofluorescence analysis of rat-heart tissue. 1,SNAI 1 Polyclonal Antibody(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B

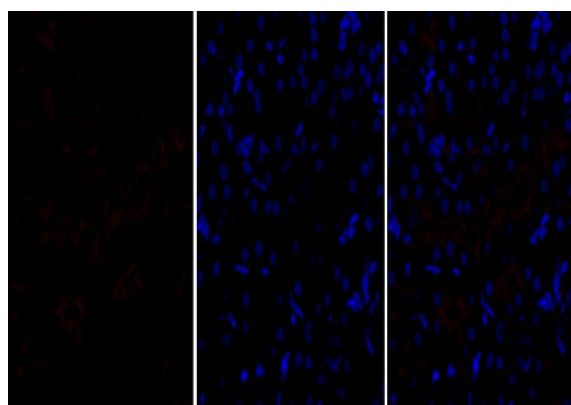


A

B

C

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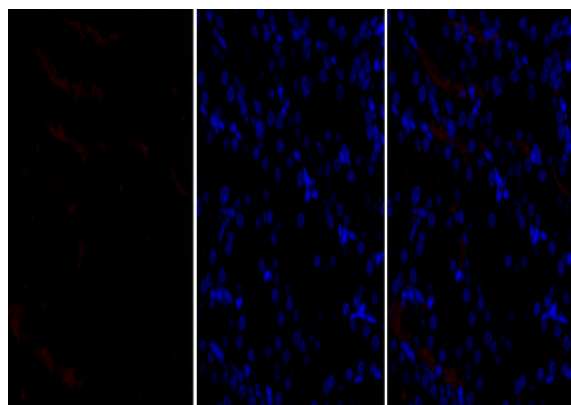


A

B

C

Immunofluorescence analysis of rat-kidney tissue. 1,SNAI 1 Polyclonal Antibody(red) was diluted at 1:200(4 °C,overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B

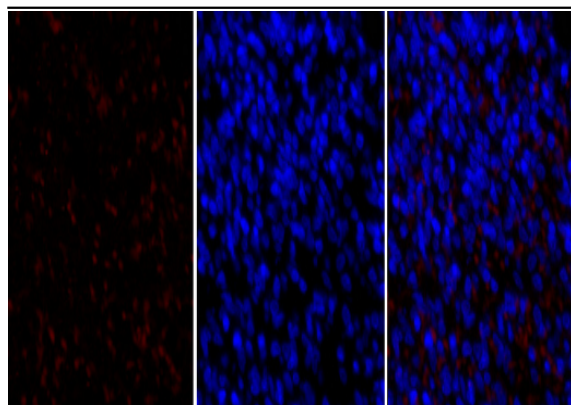


A

B

C

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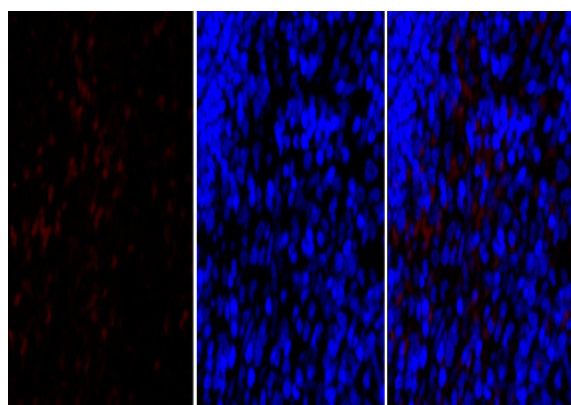


A

B

C

Immunofluorescence analysis of rat-spleen tissue. 1,SNAI 1 Polyclonal Antibody(red) was diluted at 1:200(4 °C,overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B

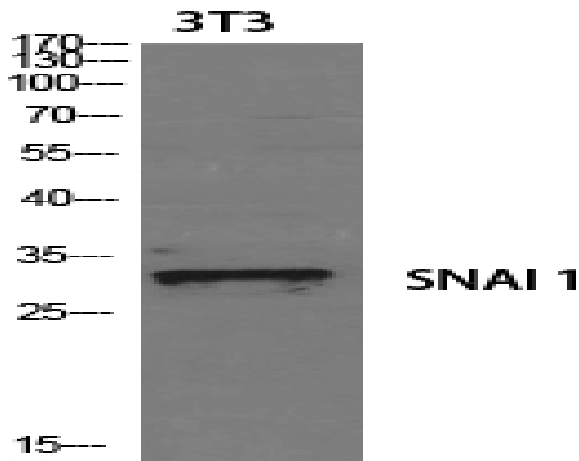


A

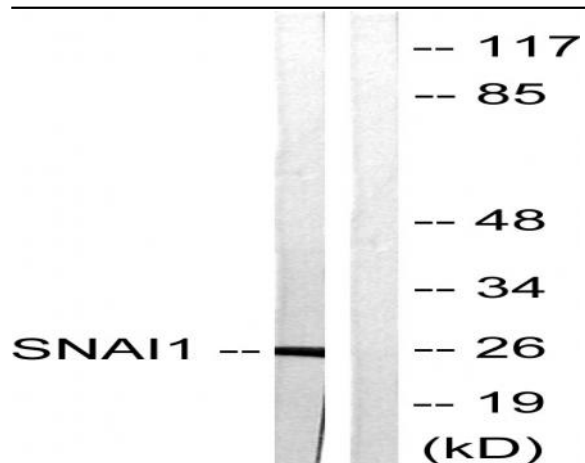
B

C

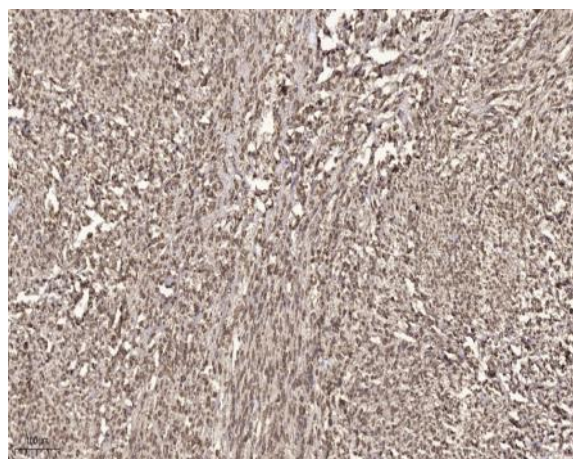
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Western Blot analysis of various cells using SNAI 1 Polyclonal Antibody diluted at 1:1000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA).



Western blot analysis of lysates from HT29 cells, using SNAI1 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human small intestinal carcinoma tissue. 1,primary Antibody was diluted at 1:200(4° overnight). 2, Sodium citrate pH 6.0 was used for antigen retrieval(>98° C,20min). 3,Secondary antibody was diluted at 1:200