

For Research Use Only

# SNAI1 Recombinant antibody

Catalog Number:81584-4-RR



## Basic Information

<b>Catalog Number:</b> 81584-4-RR	<b>GenBank Accession Number:</b> BC012910	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 6615	<b>CloneNo.:</b> 240164C2
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O95863	<b>Recommended Dilutions:</b> IF/ICC 1:200-1:800
<b>Isotype:</b> IgG	<b>Full Name:</b> snail homolog 1 (Drosophila)	
<b>Immunogen Catalog Number:</b> AG24248	<b>Calculated MW:</b> 264 aa, 29 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, FC (Intra), ELISA	<b>Positive Controls:</b> IF/ICC : HeLa cells,
<b>Species Specificity:</b> human, mouse, rat	

## Background Information

SNAI1, a member of SNAI1 family of protein, participates in the epithelial to mesenchymal transition(EMT) and formation and maintenance of embryonic mesoderm. The snail family share a common structural, that a highly conserved C-terminal region containing a zinc finger transcription factor. SNAI1 interacts with other corepressor, such as Ajuba, PRMT5 and SIN3a or HDAC1 and 2, to repress the target gene. As the phosphorylation modification of SNAI1 protein, the range of molecular weight of SNAI1 is about 25-30 kDa (PMID: 22276203 ). 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.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

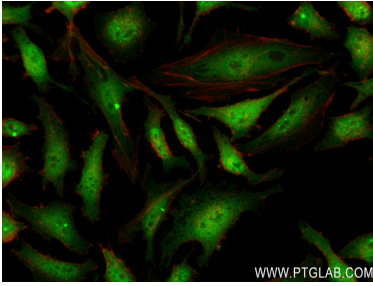
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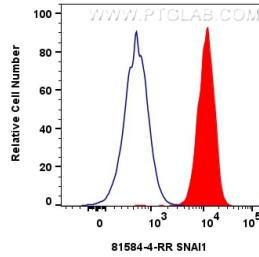
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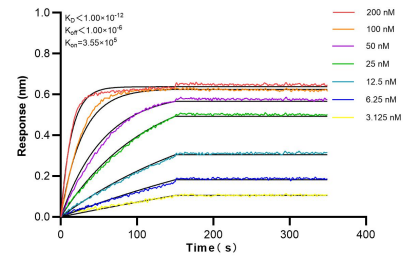
## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using SNAI1 antibody (81584-4-RR, Clone: 240164C2) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



$1 \times 10^6$  A549 cells were intracellularly stained with 0.25  $\mu$ g SNAI1 Recombinant antibody (81584-4-RR, Clone:240164C2) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25  $\mu$ g Rabbit IgG control Rabbit PolyAb (30000-O-AP) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Biacore BLI kinetic assays of 81584-4-RR against Human SNAI1 were performed. The affinity constant is below 1 pM.