

For Research Use Only

# SNAI2/SLUG Polyclonal antibody

Catalog Number: 12129-1-AP 178 Publications



## Basic Information

Catalog Number:	12129-1-AP	GenBank Accession Number:	BC015895	Purification Method:	Antigen affinity purification
Concentration:	500 ug/ml	GeneID (NCBI):	6591	Recommended Dilutions:	WB 1:5000-1:20000
Source:	Rabbit	UNIPROT ID:	O43623		IHC 1:1000-1:4000
Isotype:	IgG	Full Name:	snail homolog 2 (Drosophila)		
Immunogen Catalog Number:	AG2773	Calculated MW:	268 aa, 30 kDa		
		Observed MW:	30 kDa		

## Applications

Tested Applications:	WB, IHC, FC (Intra), ELISA	Positive Controls:	
Cited Applications:	WB, IHC, IF, CoIP, ChIP	WB :	mouse testis tissue, mouse brain tissue, rat heart tissue, mouse spleen tissue
Species Specificity:	human, mouse, rat	IHC :	human skin cancer tissue,
Cited Species:	human, mouse, rat, zebrafish		
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>			

## Background Information

SNAI2 belongs to the Snail family of zinc finger transcription factors, which shares an evolutionarily conserved role in mesoderm formation in vertebrates and invertebrates. It triggers epithelial-mesenchymal transitions and has a crucial role in developmental processes. Also it is a transcriptional repressor in mediating RAF-induced expression of TJ protein, occludin(OCN) and subsequent oncogenic transformation of epithelial cells.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yong Chen	36224027	Front Biosci (Landmark Ed)	WB
Xinxin Zhang	32980450	Gene	WB
Rongkun Li	34568024	Front Oncol	WB

## Storage

Storage:  
Store at -20°C. Stable for one year after shipment.  
Storage Buffer:  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

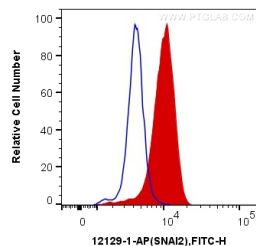
T: 4006900926

E: Proteintech-CN@ptglab.com

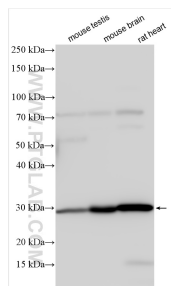
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

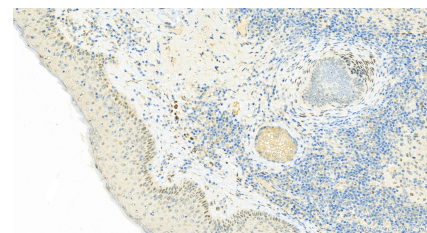
## Selected Validation Data



1X10<sup>6</sup> MCF-7 cells were intracellularly stained with 0.2 ug Anti-Human SNAI2 (12129-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.2 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Various lysates were subjected to SDS PAGE followed by western blot with 12129-1-AP (SNAI2/SLUG antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded skin cancer slide using 12129-1-AP (SNAI2/SLUG antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).