

For Research Use Only

SNAI2/SLUG Polyclonal antibody

Catalog Number: 12129-1-AP

178 Publications



Basic Information

Catalog Number:

12129-1-AP

Size:

150ul, Concentration: 650 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2773

GenBank Accession Number:

BC015895

GeneID (NCBI):

6591

UNIPROT ID:

O43623

Full Name:

snail homolog 2 (Drosophila)

Calculated MW:

268 aa, 30 kDa

Observed MW:

30 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:5000-1:20000

IHC 1:1000-1:4000

Applications

Tested Applications:

WB, IHC, FC (Intra), ELISA

Cited Applications:

WB, IHC, IF, CoIP, ChIP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, zebrafish

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse testis tissue, mouse brain tissue, rat heart tissue, mouse spleen tissue

IHC : human skin cancer tissue,

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 (OCLN) 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

*** 20ul sizes contain 0.1% BSA

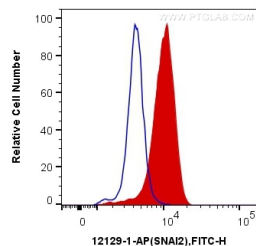
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

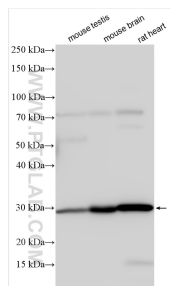
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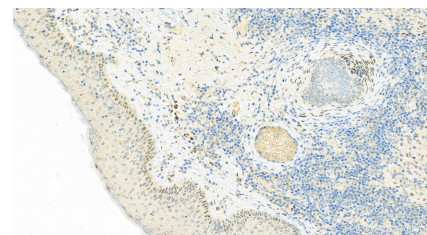
Selected Validation Data



1X10⁶ 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).