For Research Use Only

SNAI1 Recombinant antibody

Catalog Number:81584-5-RR

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Basic Information

Catalog Number:
81584-5-RR

Size:
1000 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG24248

GenBank Accession Number:
BC012910

GeneID (NCBI):
6615

UNIPROT ID:
O95863

Full Name:
snail homolog 1 (Drosophila)

Calculated MW:
264 aa, 29 kDa

Observed MW:
30 kDa

Purification Method:
Protein A purfication

CloneNo.:
240164C11

Recommended Dilutions:
WB 1:5000-1:50000

Applications

Tested Applications:
WB, FC, ELISA

Species Specificity:
Human

Positive Controls:

WB : A549 cells, MCF-7 cells, BxPC-3 cells

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

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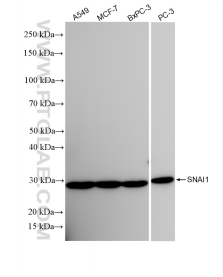
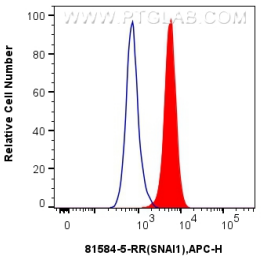
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 81584-5-RR (SNAI1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1x10^6 A549 cells were intracellularly stained with 0.25 ug SNAI1 Recombinant antibody (81584-5-RR, Clone:240164C11) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.