SNAI1 Polyclonal ANTIBODY

Catalog Number: 13099-1-AP

Basic Information

Catalog Number: 13099-1-AP
Size: 45 μg/150 μl
Source: Rabbit
Isotype: IgG
Purification Method: Antigen affinity purification
Immunogen Catalog Number: AG3723

GenBank Accession Number: BC012910
GeneID (NCBI): 6615
Full Name: snail homolog 1 (Drosophila)
Calculated MW: 264aa, 29 kDa
Observed MW: 29 kDa

Recommended Dilutions:
WB: 1:500-1:1000
IP: 0.5-4.0 μg for IP and 1:500-1:1000 for WB

Applications

Tested Applications:
IP, WB, ELISA

Cited Applications:
ChIP, IF, IHC, WB

Species Specificity:
human, mouse, rat

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.

Notable Publications

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<th>Author</th>
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<tr>
<td>Yangke Cai</td>
<td>29097832</td>
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<td>Lei Liu</td>
<td>30273506</td>
<td>Chem Biol Interact</td>
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<td>Xudong Peng</td>
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Storage

Store at -20ºC. Stable for one year after shipment.
Storage Buffer: PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20ºC storage.

For technical support and original validation data for this product please contact:
E: proteintechn@ptglab.com
W: ptglab.com

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

Mouse heart tissue were subjected to SDS PAGE followed by western blot with 13099-1-AP (SNAI1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.

IP Result of anti-SNAI1 (IP: 13099-1-AP, 4ug; Detection: 13099-1-AP 1:600) with MCF-7 cell lysate 1040ug.