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)

**Recommended Dilutions:**
- WB: 1:1000-1:1000
- IP: 0.5-4.0 μg for IP and 1:100-1:1000 for WB

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**Applications**

- **Tested Applications:** IP, WB, ELISA
- **Cited Applications:** ChIP, IF, IHC, WB
- **Species Specificity:** 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 0.1% sodium azide and 50% glycerol pH 7.3.
- **Aliquoting is unnecessary for -20°C storage.

**Notable Publications**

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<thead>
<tr>
<th>Author</th>
<th>PMID</th>
<th>Journal</th>
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</tr>
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<tbody>
<tr>
<td>Yangke Cai</td>
<td>29097832</td>
<td>Dis Markers</td>
<td>WB</td>
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<tr>
<td>Lei Liu</td>
<td>30273096</td>
<td>Chem Biol Interact</td>
<td>WB</td>
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<td>Xudong Peng</td>
<td>30203170</td>
<td>Cell Physiol Biochem</td>
<td>WB</td>
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**Recommended Species:**
- WB: mouse heart tissue, human heart tissue, COLO 320 cells
- IP: MCF-7 cells

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

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E: proteintech@ptglab.com
W: ptglab.com

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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.