SNAI1 Polyclonal ANTIBODY

Catalog Number: 13099-1-AP

**Basic Information**

- **Catalog Number:** 13099-1-AP
- **GeneBank Accession Number:** BCO15910
- **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
- **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
- **Cited Species:** 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 small family shares a common structural, i.e., a highly conserved C-terminal region containing a zinc finger transcription factor. SNAI1 interacts with other corepressors, such as Ajuba, PRMT5 and SIN3a or HDAC1 and 2, to repress the target gene. As the phosphorylation of SNAI1 protein, the range of molecular weight of SNAI1 is about 25-30 kDa (PMID: 22276203). Upon phosphorylation (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>
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<td>Chem Biol Interact</td>
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<td>Aodong Peng</td>
<td>30205370</td>
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**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

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)
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.