

Rabbit SNAIL/SNAI1 Polyclonal Antibody | anti-SNAI1 antibody

Anti-SNAIL/SNAI1 Antibody Picoband

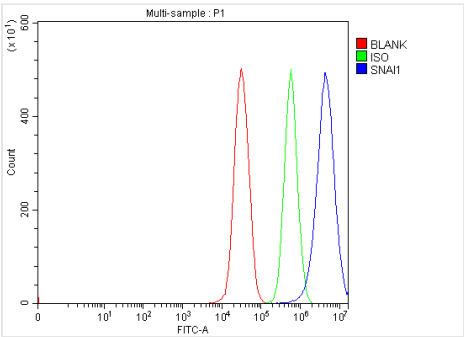
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126063	Rabbit	Human, Mouse, Rat	Western Blot, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

SNAIL/SNAI1; Polyclonal Antibody; Anti-SNAIL/SNAI1 Antibody Picoband; anti-SNAI1 antibody

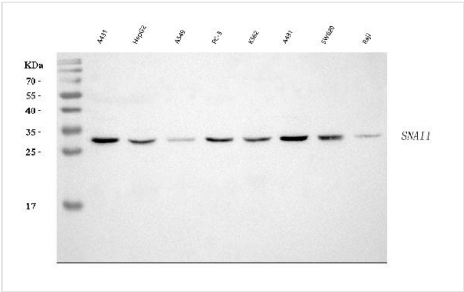
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-SNAI1 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), ELISA
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human SNAIL/SNAI1 recombinant protein (Position: M1-K170).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



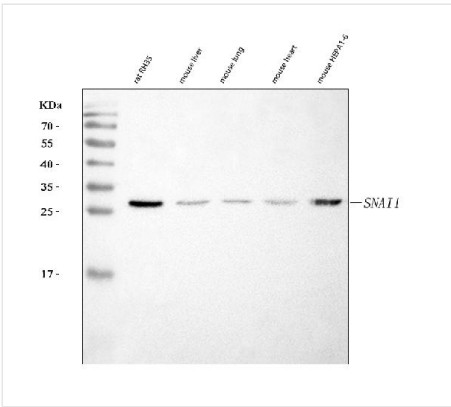
FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of 293T cells using anti-SNAIL/SNAI1 antibody (AAA126063).Overlay histogram showing 293T cells stained with AAA126063 (Blue line).The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-SNAIL/SNAI1 Antibody (AAA126063,1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of SNAIL/SNAI1 using anti-SNAIL/SNAI1 antibody (AAA126063).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human A431 whole cell lysates,Lane 2: human HepG2 whole cell lysates,Lane 3: human A549 whole cell lysates,Lane 4: human PC-3 whole cell lysates,Lane 5: human K562 whole cell lysates,Lane 6: human A431 whole cell lysates,Lane 7: human SW620 whole cell lysates,Lane 8: human Raji whole cell lysates.red to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-SNAIL/SNAI1 antigen affinity purified polyclonal antibody (#AAA126063) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for SNAIL/SNAI1 at approximately 29 kDa. The expected band size for SNAIL/SNAI1 is at 29 kDa.



WB (Western Blot)

Figure 2. Western blot analysis of SNAIL/SNAI1 using anti-SNAIL/SNAI1 antibody (AAA126063).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: rat RH35 whole cell lysates,Lane 2: mouse liver tissue lysates,Lane 3: mouse lung tissue lysates,Lane 4: mouse heart tissue lysates,Lane 5: mouse HEPA1-6 whole cell lysates.red to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-SNAIL/SNAI1 antigen affinity purified polyclonal antibody (#AAA126063) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for SNAIL/SNAI1 at approximately 29 kDa. The expected band size for SNAIL/SNAI1 is at 29 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-SNAI1 antibody

The Drosophila embryonic protein SNAI1, commonly known as Snail, is a zinc finger transcriptional repressor which downregulates the expression of ectodermal genes within the mesoderm. And it is located in 16q24.3. The nuclear protein encoded by this gene is structurally similar to the Drosophila snail protein, and is also thought to be critical for mesoderm formation in the developing embryo. At least two variants of a similar processed pseudogene have been found on chromosome 2. It is studied that SNAIL gene may show a role in recurrence of breast cancer by downregulating E-cadherin and inducing anepithelial to mesenchymal transition.

NCBI AND UNIPROT INFORMATION

NCBI GI #	18765741
NCBI GeneID	6615
NCBI Accession #	NP_005976.2
NCBI GenBank Nucleotide #	NM_005985.3
UniProt Accession #	O95863; Q9P113; Q9UBP7; Q9UHH7; B2R842
Molecular Weight	29,083 Da
NCBI Official Full Name	zinc finger protein SNAI1
NCBI Official Synonym Full Names	snail family zinc finger 1
NCBI Official Symbol	SNAI1
NCBI Official Synonym Symbols	SNA; SNAH; SNAIL; SLUGH2; SNAIL1; dJ710H13.1
NCBI Protein Information	zinc finger protein SNAI1; protein sna; snail 1 homolog; snail homolog 1; protein snail homolog 1; snail 1 zinc finger protein; snail 1, zinc finger protein
UniProt Protein Name	Zinc finger protein SNAI1
UniProt Gene Name	SNAI1
UniProt Synonym Gene Names	SNAH; Protein sna
UniProt Entry Name	SNAI1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/snail-snai1-antibody-western-blot-flow-cytometry-elisa/126063>