

Anti-SNAI3 Antibody Picoband®

Catalog Number: PB9440

About SNAI3

SNAI3 is a member of the SNAIL gene family, named for the Drosophila snail gene, which plays roles in mesodermal formation during embryogenesis. SNAI3 gene, was located between KIAA0233 gene and CBFA2T3 gene in human chromosome 16q24.3, a region affected in breast cancer, gastric cancer, hepatocellular carcinoma, ovarian cancer, and therapy-related myeloid leukemia with t (16;21) (q24;q22) translocation. Human SNAI3 gene was found to encode 292-amino-acid polypeptide with the N-terminal SNAG domain and five zinc finger domains. And Human SNAI3 mRNA was expressed in skin melanotic melanoma, lung epidermoid carcinoma, and germ cell tumor. Because SNAG zinc-finger proteins are transcriptional repressors implicated in carcinogenesis and embryogenesis, SNAI3 gene might be a potent target of pharmacogenomics in the field of oncology and regenerative medicine.

Overview

Product Name	Anti-SNAI3 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-SNAI3 Antibody Picoband® catalog # PB9440. Tested in WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q3KNW1

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human SNAI3, different from the related mouse sequence by two amino acids.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG

Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Human

Anti-SNAI3 Antibody Picoband® (PB9440) Images



Western blot analysis of SNAI3 using anti-SNAI3 antibody (PB9440).

Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours.

Lane 1: MCF-7 Whole Cell Lysate at 40ug.

After electrophoresis, proteins were transferred 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-SNAI3 antigen affinity purified polyclonal antibody (Catalog # PB9440) at 0.5 ug/mL overnight at 4°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 (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for SNAI3 at approximately 32 kDa. The expected band size for SNAI3 is at 32 kDa.

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