

## Anti-FRA2/FOSL2 Antibody Picoband®

Catalog Number: PB9591

### About FOSL2

Fos-related antigen 2 is a protein that in humans is encoded by the FOSL2 gene. The Fos gene family consists of 4 members: FOS, FOSB, FOSL1, and FOSL2. These genes encode leucine zipper proteins that can dimerize with proteins of the JUN family, thereby forming the transcription factor complex AP-1. As such, the FOS proteins have been implicated as regulators of cell proliferation, differentiation, and transformation.

### Overview

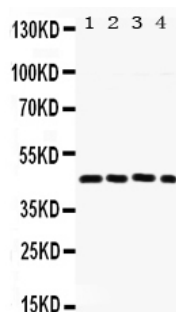
Product Name	Anti-FRA2/FOSL2 Antibody Picoband®
Reactive Species	Human, Rat
Description	Boster Bio Anti-FRA2/FOSL2 Antibody Picoband® catalog # PB9591. Tested in WB applications. This antibody reacts with Human, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, 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 4mg Trehalose, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Na <sub>3</sub> N.
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	P15408

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human FRA2, identical to the related mouse and rat sequences.
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, Rat

## Anti-FRA2/FOSL2 Antibody Picoband® (PB9591) Images



Western blot analysis of FRA2 using anti-FRA2 antibody (PB9591). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. Lane 1: Rat Lung Tissue Lysate at 50ug, Lane 2: HEPG2 Whole Cell Lysate at 40ug, Lane 3: A549 Whole Cell Lysate at 40ug, Lane 4: SW620 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-FRA2 antigen affinity purified polyclonal antibody (Catalog # PB9591) 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 FRA2 at approximately 43 kDa. The expected band size for FRA2 is at 35 kDa.

## 1 Publications Citing This Product

1. PubMed ID: -, Bi,F.,Chen,C.,Fu,J.,Yu,L.,& Geng,J.(2021).Inhibiting proliferation and metastasis of osteosarcoma cells by downregulation of long non-coding RNA colon cancer-associated transcript 2 targeting microRNA-143.Oncology Letters,21,265.<https://doi.org/10.3892/ol>

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Anti-FRA2/FOSL2 Antibody

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