

Anti-FOXM1 Antibody Picoband®

Catalog Number: A00659-2

About FOXM1

Forkhead box protein M1, also called FOXM1, is a protein that in humans is encoded by the FOXM1 gene. It is mapped to 12p13.33. The protein encoded by this gene is a member of the FOX family of transcription factors. FOXM1 is known to play a key role in cell cycle progression where endogenous FOXM1 expression peaks at S and G2/M phases and also in the control of cell proliferation. FOXM1 gene is now known as a human proto-oncogene. Abnormal upregulation of FOXM1 is involved in the oncogenesis of basal cell carcinoma, the most common human cancer worldwide. It was hypothesized that FOXM1 induces cancer initiation through stem/progenitor cell expansion. What's more, FOXM1 has been shown to modulate the epigenome. It was found that overexpression of FOXM1 "brain washes" normal cells to adopt cancer-like epigenome.

Overview

Product Name	Anti-FOXM1 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-FOXM1 Antibody Picoband® catalog # A00659-2. Tested in WB, IHC, ELISA, IP applications. This antibody reacts with Human, Mouse, 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	ELISA, IP, IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
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	Q08050

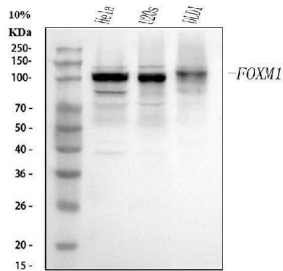
Technical Details

Immunogen	E.coli-derived human FOXM1 recombinant protein (Position: Q457-P760).
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, 0.25-0.5 ug/ml, Human, Mouse, Rat
Immunohistochemistry(Paraffin-embedded Section), 2-5 ug/ml, Human
Immunoprecipitation, 0.5-2 ug/ml, Human
ELISA, 0.1-0.5 ug/m, -l

Anti-FOXM1 Antibody Picoband® (A00659-2) Images



Western blot analysis of FOXM1 using anti-FOXM1 antibody (A00659-2). Electrophoresis was performed on a 12% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human HeLa whole cell lysates, Lane 2: human U2OS whole cell lysates, Lane 3: human DLD1 whole cell lysates. 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-FOXM1 antigen affinity purified polyclonal antibody (A00659-2) 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 ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for FOXM1 at approximately 100-110 kDa. The expected band size for FOXM1 is at 84 kDa.

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