

Anti-FOXC1 Antibody Picoband®

Catalog Number: A00962-2

About FOXC1

Forkhead box C1, also known as FOXC1, is a protein which in humans is encoded by the FOXC1 gene. It is mapped to 6p25.3. This gene belongs to the forkhead family of transcription factors which is characterized by a distinct DNA-binding forkhead domain. The specific function of this gene has not yet been determined; however, it has been shown to play a role in the regulation of embryonic and ocular development. Mutations in this gene cause various glaucoma phenotypes including primary congenital glaucoma, autosomal dominant iridogoniodygenesis anomaly, and Axenfeld-Rieger anomaly.

Overview

| | |
|----------------------|--|
| Product Name | Anti-FOXC1 Antibody Picoband® |
| Reactive Species | Human |
| Description | Boster Bio Anti-FOXC1 Antibody Picoband® catalog # A00962-2. Tested in ELISA, IF, ICC, 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 | ELISA, IF, ICC, WB |
| Clonality | Polyclonal |
| Formulation | Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 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 | Q12948 |

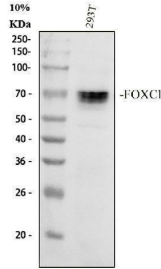
Technical Details

| | |
|------------------|---|
| Immunogen | E.coli-derived human FOXC1 recombinant protein (Position: T392-F554). |
| 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. |

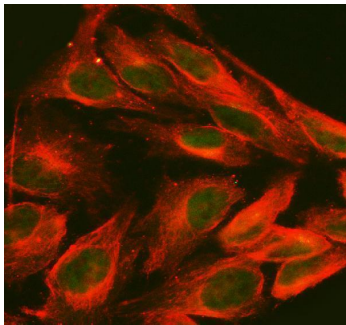
Suggested Dilutions

Western blot, 0.1-0.25ug/ml, Human
Immunocytochemistry/Immunofluorescence, 5 ug/ml, Human
ELISA, 0.1-0.5ug/ml, -

Anti-FOXC1 Antibody Picoband® (A00962-2) Images



Western blot analysis of FOXC1 using anti-FOXC1 antibody (A00962-2). Electrophoresis was performed on a 10% 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 293T 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-FOXC1 antigen affinity purified polyclonal antibody (A00962-2) 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 FOXC1 at approximately 75 kDa. The expected band size for FOXC1 is at 53 kDa.



IF analysis of FOXC1 using anti-FOXC1 antibody (A00962-2) and anti-Tubulin Alpha antibody (M03989-3). FOXC1 was detected in immunocytochemical section of Hela cell. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-FOXC1 Antibody (A00962-2) and mouse anti-Tubulin Alpha antibody (M03989-3) overnight at 4°C. DyLight® 488 Conjugated Goat Anti-Rabbit IgG (BA1127) and Cy3 Conjugated Goat Anti-Mouse IgG (BA1031) were used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37°C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.

Submit a product review to [Biocompare.com](https://www.biocompare.com)

Submit a review of this product to [Biocompare.com](https://www.biocompare.com) to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-FOXC1 Antibody

For Research Use Only. Not for use in diagnostic procedures.