BOSTER BIOLOGICAL TECHNOLOGY
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Anti-FOXG1 Antibody (Center)

Catalog Number: A01852-1

About FOXG1

This gene belongs to the forkhead family of transcription factors which is characterized by a distinct forkhead domain. The specific function of this gene has not yet been determined; however, it may play a role in the development of the brain and telencephalon.

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Overview

Product Name	Anti-FOXG1 Antibody (Center)
Reactive Species	Human, Mouse
Description	Boster Bio Anti-FOXG1 Antibody (Center) (Catalog # A01852-1). Tested in WB, IF, Flow Cytometry application(s). This antibody reacts with Human, Mouse.
Application	Flow Cytometry, IF, WB
Clonality	Polyclonal
Formulation	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P55316

Technical Details

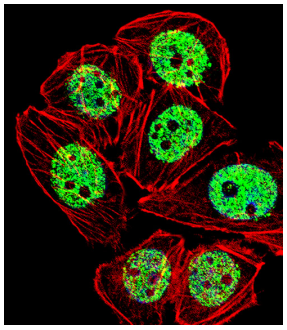
Immunogen	This FOXG1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 225-252 amino acids from the Central region of human FOXG1.
Predicted Reactive Species	Chicken, Drosophila, Rat, Xenopus
Isotype	Rabbit IgG
Purification	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

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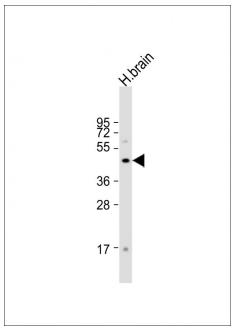
Suggested Dilutions	WB: 1:1000 IF: 1:10-1:50 FC: 1:10-1:50

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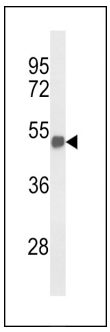
Anti-FOXG1 Antibody (Center) (A01852-1) Images



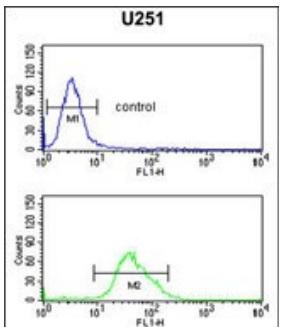
Fluorescent confocal image of A549 cell stained with FOXG1 Antibody (Center). A549 cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0. 1%, 10 min), then incubated with FOXG1 primary antibody (1:25, 1 h at 37°C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37°C). Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin at 37°C). Nuclei were counterstained with DAPI (blue) (10 µg/ml, 10 min). FOXG1 immunoreactivity is localized to Nucleus significantly.



Anti-FOXG1 Antibody (Center) at 1:1000 dilution + human brain lysateLysates/proteins at 20 µg per lane. SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 52 kDaBlocking/Dilution buffer: 5% NFDM/TBST.



Western blot analysis of FOXG1 Antibody (Center) (Cat. #A01852-1) in mouse brain tissue lysates (35ug/lane). FOXG1 (arrow) was detected using the purified Pab.



FOXG1 Antibody (Center) (Cat. #A01852-1) flow cytometric analysis of U251 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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