

Datasheet for ABIN653750
anti-FOXG1 antibody (AA 225-252)

5 Images

1 Publication

[Go to Product page](#)

Overview

Quantity:	400 µL
Target:	FOXG1
Binding Specificity:	AA 225-252
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FOXG1 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (IF)

Product 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.
Clone:	RB24681
Isotype:	Ig Fraction
Predicted Reactivity:	C, Rat, D
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	FOXG1
Alternative Name:	FOXG1 (FOXG1 Products)

Target Details

Background: 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.

Molecular Weight: 52352

Gene ID: 2290

NCBI Accession: [NP_005240](#)

UniProt: [P55316](#)

Application Details

Application Notes: IF: 1:10~50. WB: 1:1000. WB: 1:1000. FC: 1:10~50

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

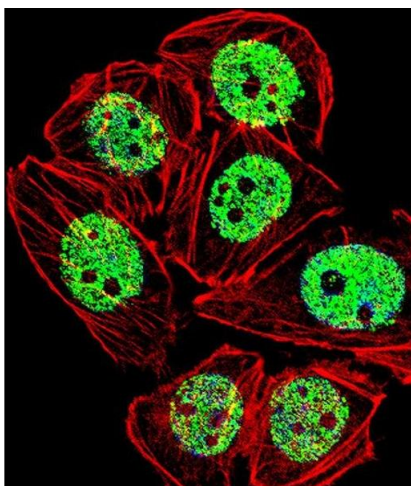
Storage: 4 °C, -20 °C

Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months

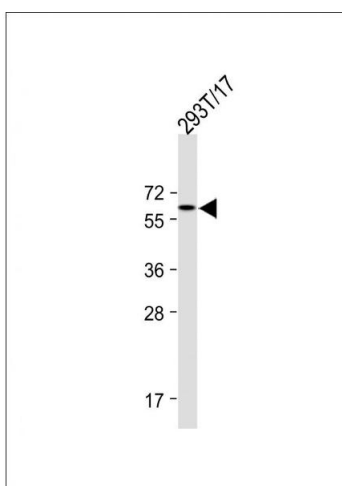
Publications

Product cited in: Tian, Ding, You, Li, Liu, Wu, Sun, Xu: "Leiomodin-3-deficient mice display nemaline myopathy with fast-myofiber atrophy." in: **Disease models & mechanisms**, Vol. 8, Issue 6, pp. 635-41, (2015) ([PubMed](#)).



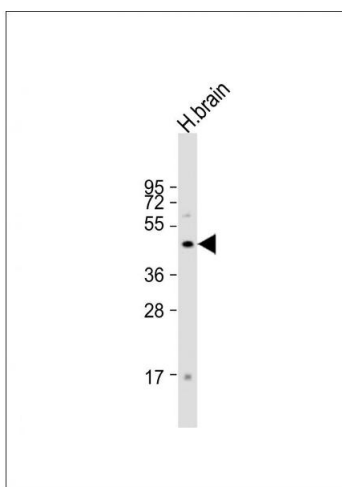
Immunofluorescence

Image 1. Fluorescent confocal image of A549 cell stained with FOXG1 Antibody (Center) (ABIN653750 and ABIN2843050). 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 (7 units/mL, 1 h at 37 °C). Nuclei were counterstained with DAPI (blue) (10 µg/mL, 10 min). FOXG1 immunoreactivity is localized to Nucleus significantly.



Western Blotting

Image 2. All lanes : Anti-FOXG1 Antibody (Center) at 1:1000 dilution Lane 1: 293T/17 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (AS) at 1/15000 dilution. Observed band size : 59 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.



Western Blotting

Image 3. Anti-FOXG1 Antibody (Center) at 1:1000 dilution + human brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 52 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN653750.