

Datasheet for ABIN7139835
anti-FOXO4 antibody (AA 45-63)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	FOXO4
Binding Specificity:	AA 45-63
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FOXO4 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Peptide sequence from Human Forkhead box protein O4 protein (45-63AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	FOXO4
Alternative Name:	FOXO4 (FOXO4 Products)
Background:	Background: Transcription factor involved in the regulation of the insulin signaling pathway. Binds to insulin-response elements (IREs) and can activate transcription of IGFBP1. Down-

Target Details

regulates expression of HIF1A and suppresses hypoxia-induced transcriptional activation of HIF1A-modulated genes. Also involved in negative regulation of the cell cycle. Involved in increased proteasome activity in embryonic stem cells (ESCs) by activating expression of PSMD11 in ESCs, leading to enhanced assembly of the 26S proteasome, followed by higher proteasome activity.

Aliases: AFX antibody, AFX1 antibody, Afxh antibody, ALL1-fused gene from X chromosome antibody, Fork head domain transcription factor AFX1 antibody, Forkhead box O4 antibody, Forkhead box protein O4 antibody, FOXO 4 antibody, Foxo4 antibody, FOXO4_HUMAN antibody, MGC117660 antibody, MGC120490 antibody, Mixed lineage leukemia, translocated to, 7 antibody, MLLT7 antibody, Myeloid/lymphoid or mixed lineage leukemia (trithorax homolog, Drosophila), translocated to, 7 antibody, Myeloid/lymphoid or mixed lineage leukemia, translocated to, 7 antibody, RGD1561201 antibody

UniProt: [P98177](#)

Pathways: [Cell Division Cycle](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Regulation of Muscle Cell Differentiation](#)

Application Details

Application Notes: Recommended dilution: IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

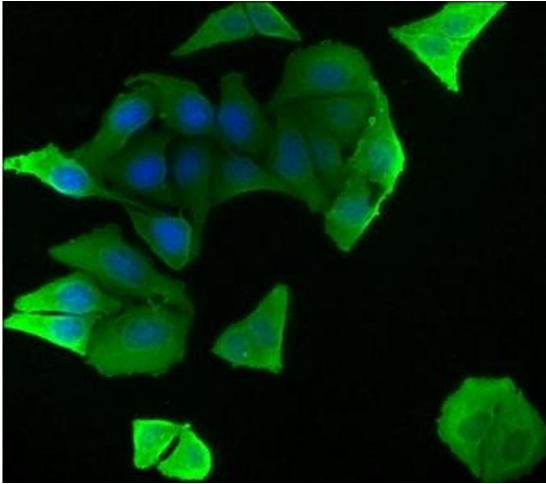
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

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

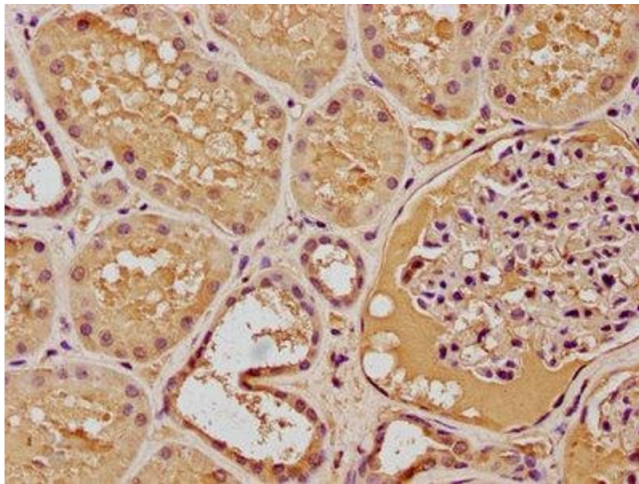
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunofluorescence

Image 1. Immunofluorescence staining of HeLa cells with ABIN7139835 at 1:50, counter-stained with DAPI. The cells were fixed in 4 % formaldehyde, permeabilized using 0.2 % Triton X-100 and blocked in 10 % normal Goat Serum. The cells were then incubated with the antibody overnight at 4 °C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemistry

Image 2. IHC image of ABIN7139835 diluted at 1:100 and staining in paraffin-embedded human kidney tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.