

Datasheet for ABIN7138857
anti-FOXO4 antibody (pThr451)



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1 Image

Overview

Quantity:	100 µL
Target:	FOXO4
Binding Specificity:	pThr451
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FOXO4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Peptide sequence around phosphorylation site of Threonine 451(L-G-T(p)-P-V) derived from Human FOXO4.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using

Target Details

Target:	FOXO4
Alternative Name:	FOXO4 (FOXO4 Products)

Target Details

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-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: WB:1:500-1:1000,

Restrictions: For Research Use only

Handling

Format: Liquid

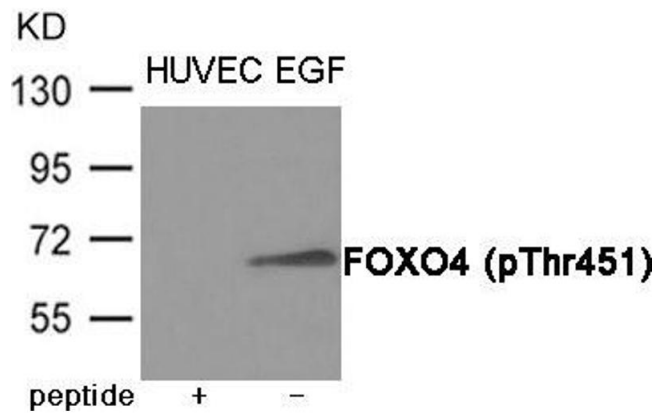
Buffer: Supplied at 1.0 mg/mL in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

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: -20 °C,-80 °C

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



Western Blotting

Image 1. Western blot analysis of extracts from HUVEC cells treated with EGF using FOXO4 (Phospho-Thr451) Antibody. The lane on the left is treated with the antigen-specific peptide.