


Product datasheet

Anti-FOXO1 + FOXO3 + FOXO4 (phospho T24 + T32) antibody ab58517

1 References [画像数 2](#)

製品の概要

製品名	Anti-FOXO1 + FOXO3 + FOXO4 (phospho T24 + T32) antibody
製品の詳細	Rabbit polyclonal to FOXO1 + FOXO3 + FOXO4 (phospho T24 + T32)
由来種	Rabbit
特異性	ab58517 detects endogenous levels of FOXO1/3/4 only when phosphorylated at threonine 24/32.
アプリケーション	適用あり: IHC-P, ELISA, WB
種交差性	交差種: Human 交差が予測される動物種: Mouse, Rat 
免疫原	Synthesized phosphopeptide derived from human FOXO1/3/4 around the phosphorylation site of threonine 24/32 (S-C-T ^P -W-P).
ポジティブ・コントロール	IHC-P: human breast carcinoma tissue.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS, 150mM Sodium chloride, pH 7.4
精製度	Immunogen affinity purified
特記事項 (精製)	The antibody was affinity purified from rabbit antiserum by affinity chromatography using epitope specific phosphopeptide. The antibody against the non phosphopeptide was removed by chromatography using non phosphopeptide corresponding to the phosphorylation site.
ポリモノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab58517** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
IHC-P		Use at an assay dependent concentration.
ELISA		1/5000.
WB		1/500 - 1/1000.

ターゲット情報

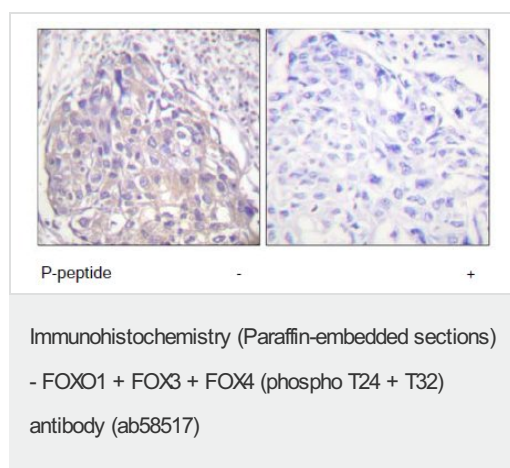
関連性

FOXO1 + FOX3 + FOX4 belong to the forkhead family of transcription factors. FOXO1 (FKHR or ForkHead in Rhabdomyosarcoma) is a 70 kDa protein. Recent studies have shown that this protein can act as either a coactivator or a corepressor of nuclear receptor activity. This action is mediated through the LXXLL motif found in the C terminus of the FOXO1A protein. The specific function of the gene has not yet been determined. FOX3 probably functions as a trigger for apoptosis through expression of genes necessary for cell death. Translocation of the FOXO3 gene with the MLL gene is associated with secondary acute leukemia. FOX4 is a forkhead transcription factor involved in the regulation of the insulin signaling pathway. It binds to insulin-response elements (IREs) and can activate transcription of IGF1. FOXO4 down-regulates expression of HIF1A and suppresses hypoxia-induced transcriptional activation of HIF1A-modulated genes. It is also involved in negative regulation of the cell cycle.

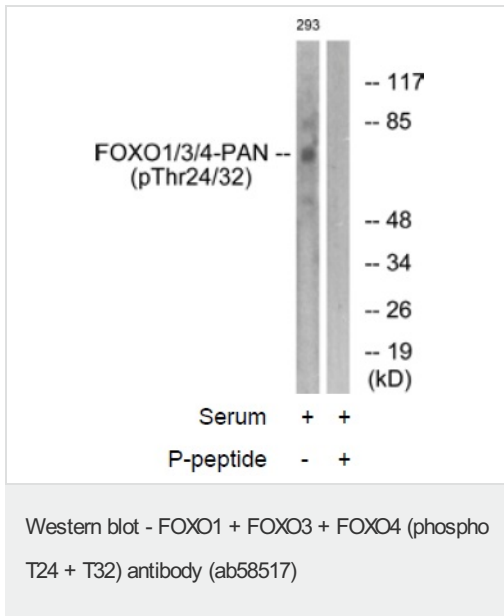
細胞内局在

FOXO1: Cytoplasm. Nucleus. Shuttles between cytoplasm and nucleus. FOX3: Cytoplasm, cytosol. Translocates to the nucleus upon oxidative stress and in the absence of survival factors. FOX4: Cytoplasm. Nucleus. When phosphorylated, translocated from nucleus to cytoplasm. Dephosphorylation triggers nuclear translocation.

画像



This image shows human breast carcinoma tissue stained with ab58517 at a 1/50 dilution. Right hand image; with immunising phosphopeptide. Left hand image; without immunising phosphopeptide.



All lanes : Anti-FOXO1 + FOXO3 + FOXO4 (phospho T24 + T32) antibody (ab58517)

Lane 1 : 293 cells

Lane 2 : 293 cells with blocking phosphopeptide

Western blot analysis of extracts from 293 cells, treated with Serum (20%, 15mins), using FOXO1/3/4-pan (Phospho-Thr24/32) antibody.

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