

Product datasheet

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

2 References **2 图像****概述**

产品名称	Anti-FOXO1 + FOXO3 + FOXO4 (phospho T24 + T32)抗体
描述	兔多克隆抗体to FOXO1 + FOXO3 + FOXO4 (phospho T24 + T32)
宿主	Rabbit
特异性	ab58517 detects endogenous levels of FOXO1/3/4 only when phosphorylated at threonine 24/32.
经测试应用	适用于: IHC-P, ELISA, WB
种属反应性	与反应: Human
	预测可用于: 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).
阳性对照	IHC-P: human breast carcinoma tissue.

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS, 150mM Sodium chloride, pH 7.4
纯度	Immunogen affinity purified
纯化说明	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.
克隆	多克隆
同种型	IgG

应用**The Abpromise guarantee****Abpromise™承诺保证使用ab58517于以下的经测试应用**

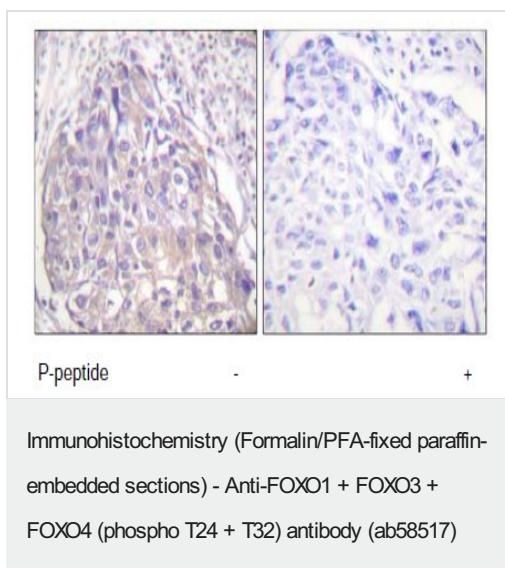
“应用说明”部分下显示的仅为推荐的起始稀释度；实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P		Use at an assay dependent concentration.
ELISA		1/5000.
WB		1/500 - 1/1000.

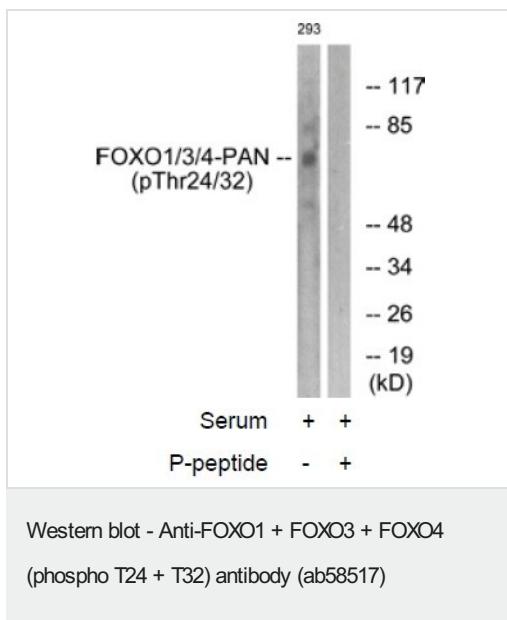
靶标

相关性	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 IGFBP1. 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.
细胞定位	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.

图片



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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