

产品名称: FoxO1/3/4 (phospho Thr24/32) Rabbit Polyclonal Antibody
产品货号: APRab04697



产品概述 (Summary)

产品名称 (Production Name)	FoxO1/3/4 (phospho Thr24/32) Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Phosphorylated
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	FOXO1/3/4 FOXO1; FKHR; FOXO1A; Forkhead box protein O1; Forkhead box protein O1A; Forkhead in rhabdomyosarcoma; FOXO3; FKHL1; FOXO3A; Forkhead box protein O3; AF6q21 protein; Forkhead in rhabdomyosarcoma-like 1; FOXO4; AFX; AFX1; MLLT7; Forkhead box
别名 (Alternative Names)	
基因 ID (Gene ID)	2308/4303
蛋白 ID (SwissProt ID)	Q12778/O43524/P98177.The antiserum was produced against synthesized peptide derived from human FOXO1/3/4-pan around the phosphorylation site of Thr24/32. AA range:15-64

产品应用 (Application)

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稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:10000
蛋白分子量 (Molecular Weight)	78kDa

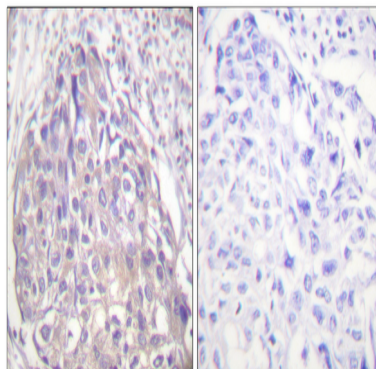
研究背景 (Background)

This gene belongs to the forkhead family of transcription factors which are characterized by a distinct forkhead domain. The specific function of this gene has not yet been determined; however, it may play a role in myogenic growth and differentiation. Translocation of this gene with PAX3 has been associated with alveolar rhabdomyosarcoma. [provided by RefSeq, Jul 2008],disease:Chromosomal aberrations involving FOXO1 are a cause of rhabdomyosarcoma 2 (RMS2) [MIM:268220]; also known as alveolar rhabdomyosarcoma. Translocation (2;13)(q35;q14) with PAX3; translocation t(1;13)(p36;q14) with PAX7. The resulting protein is a transcriptional activator.,function:Transcription factor.,PTM:Phosphorylated by AKT1; insulin-induced (By similarity). IGF1 rapidly induces phosphorylation of Ser-256, Thr-24, and Ser-319. Phosphorylation of Ser-256 decreases DNA-binding activity and promotes the phosphorylation of Thr-24, and Ser-319, permitting phosphorylation of Ser-322 and Ser-325, probably by CK1, leading to nuclear exclusion and loss of function. Phosphorylation of Ser-329 is independent of IGF1 and leads to reduced function. Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Contains 1 fork-head DNA-binding domain.,subcellular location:Shuttles between cytoplasm and nucleus.,subunit:Interacts with LRPPRC.,tissue specificity:Ubiquitous.,

研究领域 (Research Area)

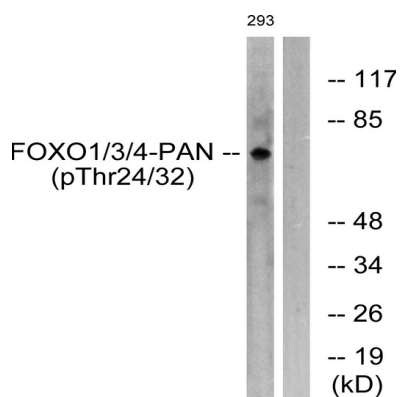
Insulin Receptor; B Cell Receptor; Protein_Acetylation

图片 (Image Data)



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using FOXO1/3/4-pan (Phospho-Thr24/32) Antibody. The picture on the right is blocked with the phospho peptide.

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Western blot analysis of lysates from 293 cells treated with Serum 20% 15', using FOXO1/3/4-PAN (Phospho-Thr24/32) Antibody. The lane on the right is blocked with the phospho peptide.

注意事项 (Note)

For research use only .