

Datasheet for ABIN7296302
anti-FOXO4 antibody (pSer197)[Go to Product page](#)

3 Images

Overview

Quantity:	100 µL
Target:	FOXO4
Binding Specificity:	pSer197
Reactivity:	Human, Mouse, Rat, Monkey, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FOXO4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunochromatography (IC)

Product Details

Immunogen:	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human FOXO4.
Specificity:	Recognizes endogenous levels of FOXO4 (pS197) protein.
Characteristics:	Rabbit polyclonal antibody to FOXO4 (pS197)
Purification:	The antibody was purified by immunogen affinity chromatography.

Target Details

Target:	FOXO4
Alternative Name:	FOXO4 (FOXO4 Products)

Target Details

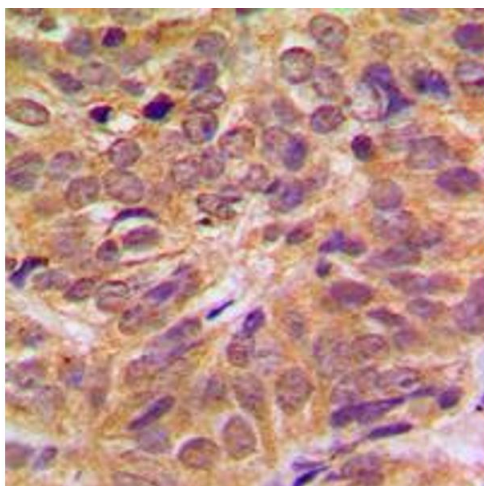
Background:	AFX, AFX1, MLLT7, Forkhead box protein O4, Fork head domain transcription factor AFX1
Gene ID:	4303, 54601
UniProt:	P98177 , Q9WVH3
Pathways:	Cell Division Cycle , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Regulation of Muscle Cell Differentiation

Application Details

Application Notes:	WB (1:500 - 1:1000), IH (1:100 - 1:200), IF/IC (1:100 - 1:500)
Restrictions:	For Research Use only

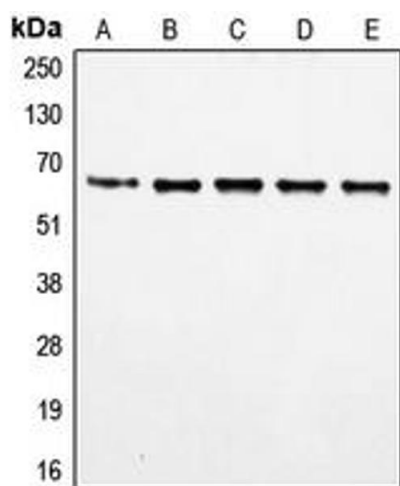
Handling

Format:	Liquid
Buffer:	Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % sodium azide.
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
Storage Comment:	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.
Expiry Date:	12 months



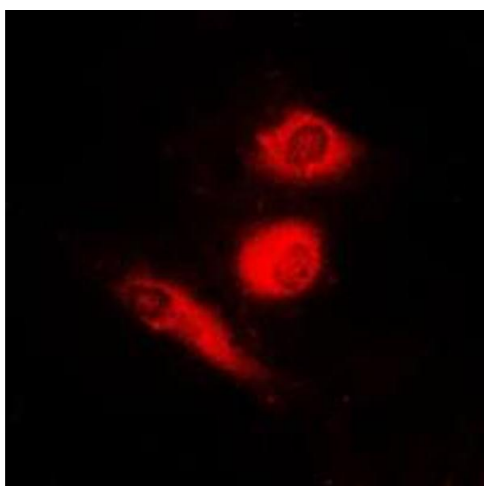
Immunohistochemistry

Image 1. Immunohistochemical analysis of FOXO4 (pS197) staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Western Blotting

Image 2. Western blot analysis of FOXO4 (pS197) expression in HeLa (A), MM142 (B), HuT78 (C), HEK293T (D), NIH3T3 (E) whole cell lysates.



Immunofluorescence

Image 3. Immunofluorescent analysis of FOXO4 (pS197) staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).