

Datasheet for ABIN1531321
anti-FOXO1 antibody (pSer329)



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2 Images

Overview

Quantity:	100 µL
Target:	FOXO1
Binding Specificity:	AA 295-344, pSer329
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FOXO1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	The antiserum was produced against synthesized peptide derived from human FOXO1A around the phosphorylation site of Ser329.
Isotype:	IgG
Specificity:	FOXO1A (Phospho-Ser329) Antibody detects endogenous levels of FOXO1A only when phosphorylated at Ser329. PhosphorylationH:S329 M:S326 R:S323
Purification:	The antibody was purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide.
Purity:	> 95 %

Target Details

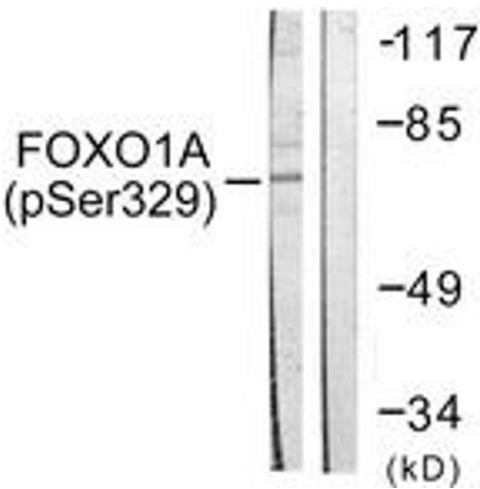
Target:	FOXO1
Alternative Name:	FOXO1A (FOXO1 Products)
Background:	Synonyms: FKHR, forkhead box O1A (FKHR), Forkhead box protein O1A, Forkhead in rhabdomyosarcoma, FOXO1 NCBI Gene Symbol: FOXO1
Molecular Weight:	69 kDa
Gene ID:	2308
OMIM:	136533
UniProt:	Q12778
Pathways:	PI3K-Akt Signaling , Cell Division Cycle , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Carbohydrate Homeostasis , Chromatin Binding , Regulation of Carbohydrate Metabolic Process , CXCR4-mediated Signaling Events , BCR Signaling

Application Details

Application Notes:	WB: 1:500~1:1000 IHC: 1:50~1:100 ELISA: 1:1000
Comment:	Unigene-Number: Hs.370666 (NCBI Gene Symbol: FOXO1)
Restrictions:	For Research Use only

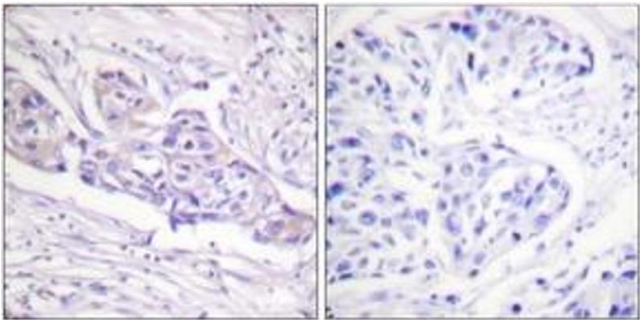
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), 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
Storage Comment:	Stable at -20°C for at least 1 year.



Western Blotting

Image 1. Western blot analysis of extracts from HeLa cells treated with Serum 20% 15', using FOXO1A (Phospho-Ser329) Antibody. The lane on the right is treated with the synthesized peptide.



Immunohistochemistry

Image 2. Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using FOXO1A (Phospho-Ser329) Antibody. The picture on the right is treated with the synthesized peptide.