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Datasheet for ABIN6255069 anti-FOXO4 antibody (pSer197)

11 Images

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Overview

Quantity:	100 µL	
Target:	F0X04	
Binding Specificity:	pSer197	
Reactivity:	Human, Mouse, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This FOXO4 antibody is un-conjugated	
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)	

Product Details

Immunogen:	A synthesized peptide derived from human FOXO4 around the phosphorylation site of Ser197.
Isotype:	lgG
Specificity:	Phospho-FOXO4 (Ser197) Antibody detects endogenous levels of FOXO4 only when phosphorylated at Serine 197.
Predicted Reactivity:	Pig,Zebrafish,Bovine,Horse,Sheep,Dog,Chicken,Xenopus
Purification:	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.

Target Details

Target:	FOXO4	
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Target Details	
Alternative Name:	FOXO4 (FOXO4 Products)
Background:	Description: Transcription factor involved in the regulation of the insulin signaling pathway. Binds to insulin-response elements (IREs) and can activate transcription of IGFBP1. Down- regulates expression of HIF1A and suppresses hypoxia-induced transcriptional activation of HIF1A-modulated genes. Also involved in negative regulation of the cell cycle. Involved in increased proteasome activity in embryonic stem cells (ESCs) by activating expression of PSMD11 in ESCs, leading to enhanced assembly of the 26S proteasome, followed by higher
	proteasome activity. Gene: FOXO4
Molecular Weight:	65kDa
Gene ID:	4303
UniProt:	P98177
Pathways:	Cell Division Cycle, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Regulation of Muscle Cell Differentiation

Application Details

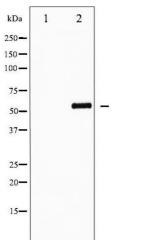
Application Notes:	WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , 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:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months

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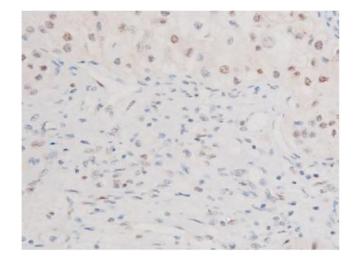


Immunohistochemistry

Image 1. ABIN6267579 at 1/200 staining Human bladder cancer tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

Western Blotting

Image 2. Western blot analysis of AFX phosphorylation expression in serum treated 293 whole cell lysates,The lane on the left is treated with the antigen-specific peptide.



Immunohistochemistry

Image 3. ABIN6267579 at 1/200 staining Human kidney cancer tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

Please check the product details page for more images. Overall 11 images are available for ABIN6255069.

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