

Datasheet for ABIN3030989
anti-FOXO1 antibody (AA 456-655)



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3 Images

Overview

Quantity:	100 µg
Target:	FOXO1
Binding Specificity:	AA 456-655
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FOXO1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Human partial recombinant protein (AA 456-655) was used as the immunogen for this FOXO1 antibody.
Isotype:	IgG
Purification:	Antigen affinity

Target Details

Target:	FOXO1
Alternative Name:	FOXO1 (FOXO1 Products)
Background:	Forkhead box protein O1, also known as FKHR or FOXO1A, is a protein that in humans is encoded by the FOXO1 gene. It is mapped to 13q14.11. This gene belongs to the forkhead family of transcription factors which are characterized by a distinct forkhead domain. FOXO1

Target Details

plays important roles in regulation of gluconeogenesis and glycogenolysis by insulin signaling, and is also central to the decision for a preadipocyte to commit to adipogenesis. This gene is primarily regulated through phosphorylation on multiple residues. Its transcriptional activity is dependent on its phosphorylation state. Additionally, FOXO1 may play a role in myogenic growth and differentiation. Translocation of this gene with PAX3 has been associated with alveolar rhabdomyosarcoma.

Gene ID:	2308
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

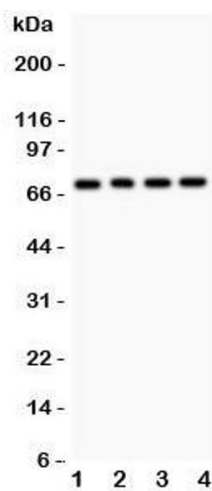
Application Details

Application Notes:	The stated application concentrations are suggested starting amounts. Titration of the FOXO1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL
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Restrictions:	For Research Use only
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Handling

Buffer:	0.5 mg/mL if reconstituted with 0.2 mL sterile DI water
Storage:	-20 °C
Storage Comment:	After reconstitution, the FOXO1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.



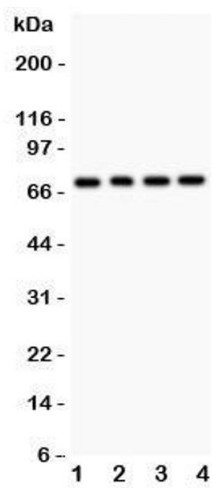
Western Blotting

Image 1. Western blot testing of FOXO1 antibody and Lane 1: rat lung; 2: (r) brain; 3: human COLO320; 4: (h) HEPG2. Predicted/observed size ~70KD



Western Blotting

Image 2. Western blot testing of FOXO1 antibody recombinant human protein (0.5ng)



Western Blotting

Image 3. Western blot testing of FOXO1 antibody and Lane 1: rat lung