

Rabbit Forkhead box protein O1 Polyclonal Antibody | anti-FOXO1 antibody

Anti-FOXO1A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46049	Rabbit	Human, Rat. No cross reactivity with other proteins.	Western Blot

PRODUCT SYNONYMS

Forkhead box protein O1; Polyclonal Antibody; Anti-FOXO1A Antibody; FKH 1 antibody; FKH1 antibody; FKHR antibody; Forkhead (Drosophila) homolog 1 (rhabdomyosarcoma) antibody; Forkhead box O1 antibody; Forkhead box protein O1 antibody; Forkhead box protein O1A antibody; Forkhead in rhabdomyosarcoma antibody; Forkhead; Drosophila; homolog of; in rhabdomyosarcoma antibody; FoxO transcription factor antibody; foxo1 antibody; FOXO1_HUMAN antibody; FOXO1A antibody; OTTHUMP00000018301 antibody; forkhead box O1; anti-FOXO1 antibody

PRODUCT SPECIFICATIONS

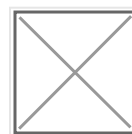
Host	Rabbit
Reactivity	Human, Rat. No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	655
Applicable Applications for anti-FOXO1 antibody	WB (Western Blot)
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	E.coli-derived human FOXO1A recombinant protein (Position: N456-G655). Human FOXO1A shares 93% amino acid (aa) sequence identity with both mouse and rat FOXO1A.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)

Anti- FOXO1A antibody, AAA46049, Western blottingAll lanes: Anti FOXO1A (AAA46049) at 0.5ug/mlLane 1: Rat Lung Tissue Lysate at 50ugLane 2: Rat Brain Tissue Lysate at 50ugLane 3: COLO320 Whole Cell Lysate at 40ugLane 4: HEPG2 Whole Cell Lysate at 40ugPredicted bind size: 70KDObserved bind size: 70KD



WB (Western Blot)

Anti- FOXO1A antibody, AAA46049, Western blottingAll lanes: Anti FOXO1A(AAA46049) at 0.5ug/mlWB: Recombinant Human FOXO1A Protein 0.5ngPredicted bind size: 39KDObserved bind size: 39KD

ADDITIONAL INFORMATION

Related Product Information for anti-FOXO1 antibody	Description: Rabbit IgG polyclonal antibody for Forkhead box protein O1(FOXO1) detection. Tested with WB in Human;Rat. 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 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. What's more, FOXO1 may play a role in myogenic growth and differentiation. Translocation of this gene with PAX3 has been associated with alveolar rhabdomyosarcoma.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	9257222
NCBI GeneID	2308
NCBI Accession #	NP_002006.2
NCBI GenBank Nucleotide #	NM_002015.3
UniProt Accession #	Q12778; O43523; Q5VYC7; Q6NSK6
Molecular Weight	69,662 Da
NCBI Official Full Name	forkhead box protein O1
NCBI Official Synonym Full Names	forkhead box O1
NCBI Official Symbol	FOXO1
NCBI Official Synonym Symbols	FKH1; FKHR; FOXO1A
NCBI Protein Information	forkhead box protein O1; forkhead box protein O1A; forkhead, Drosophila, homolog of, in rhabdomyosarcoma
UniProt Protein Name	Forkhead box protein O1
UniProt Gene Name	FOXO1
UniProt Synonym Gene Names	FKHR; FOXO1A
UniProt Entry Name	FOXO1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/forkhead-box-protein-o1-antibody-western-blot-elisa/46049>