

Datasheet for ABIN2780391
anti-FOXO1 antibody (N-Term)



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Overview

Quantity:	100 µL
Target:	FOXO1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Pig, Dog, Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FOXO1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human FOXO1A
Sequence:	MAEAPQVVEI DPDFEPLRP RSCTWPLRP EFSQSNSATS SPAPSGSAAA
Predicted Reactivity:	Cow: 92%, Dog: 92%, Human: 100%, Mouse: 85%, Pig: 92%, Rat: 85%, Yeast: 85%
Characteristics:	This is a rabbit polyclonal antibody against FOXO1A. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

Target Details

Target:	FOXO1
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Target Details

Alternative Name:	FOXO1A (FOXO1 Products)
Background:	FOXO1A belongs to the forkhead family of transcription factors which are characterized by a distinct forkhead domain. The specific function of FOXO1A has not yet been determined, however, it may play a role in myogenic growth and differentiation. Translocation of FOXO1A gene with PAX3 has been associated with alveolar rhabdomyosarcoma. Alias Symbols: FKH1, FKHR, FOXO1A Protein Interaction Partner: EP300, AKT1, MST1, SIRT1, FHL2, ATG7, IRF3, FSHR, ESR1, Ubc, TXNRD1, RARA, MDM2, NLK, SKP2, SIRT2, STUB1, CREBBP, PML, LRPPRC, HOXA11, HNF4A, PARP1, DYRK1A, THRB, CSNK1G1, YWHAG, GSK3B, SMAD3, PAK1, PPARG, YWHAZ, SMAD4, AR, G6PC, SRC, CEBPB, FOXG1, HOXA10 Protein Size: 655
Molecular Weight:	70 kDa
Gene ID:	2308
NCBI Accession:	NM_002015 , NP_002006
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:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 655 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:	Hsu, Hu: "Energy-regulated molecules maintain young status in the trophocytes and fat cells of old queen honeybees." in: Biogerontology , Vol. 15, Issue 4, pp. 389-400, (2014) (PubMed).
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Images



Western Blotting

Image 1. WB Suggested Anti-FOXO1A Antibody Titration: 2.5ug/ml ELISA Titer: 1:62500 Positive Control: Jurkat cell lysate