

FOXO1

Reactivity:Human Mouse

Tested applications:WB IF

Recommended Dilution:WB 1:500 - 1:2000 IF 1:50 - 1:200

Calculated MW:70kDa

Observed MW:Refer to Figures

Immunogen:

A synthetic peptide of human FOXO1

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

bk

Synonym:

FKH1; FKHR; FOXO1A;

Catalog #:A2934

Antibody Type:

Polyclonal Antibody

Species:Rabbit

Gene ID:2308

Isotype:IgG

Swiss Prot:Q12778

Purity:Affinity purification

For research use only.

Background:

This gene belongs to the forkhead family of transcription factors which are characterized by a distinct forkhead domain. The specific function of this gene has not yet been determined; however, it may play a role in myogenic growth and differentiation. Translocation of this gene with PAX3 has been associated with alveolar rhabdomyosarcoma. Interacts with LRPPRC. Interacts with RUNX2; the interaction inhibits RUNX2 transcriptional activity and mediates the IGF1/insulin-dependent BGLAP expression in osteoblasts Interacts with PPP2R1A; the interaction regulates the dephosphorylation of FOXO1 at Thr-24 and Ser-256 leading to its nuclear import.

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