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(818)-707-0392 (Fax)
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FOXO3 (C) Antibody, Rabbit Polyclonal

Cat#: R2928-3

Quantity: 100 ul

Predicted | Observed M.W.: 71 | 80 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: O43524

Background:

Forkhead box protein O3 (FOXO3) is a transcriptional activator which triggers apoptosis in the absence of survival factors, including neuronal cell death upon oxidative stress. FOXO3 recognizes and binds to the DNA sequence 5'-[AG]TAAA[TC]A-3'. FOXO3 participates in post-transcriptional regulation of MYC: following phosphorylation by MAPKAPK5, promotes induction of miR-34b and miR-34c expression, 2 post-transcriptional regulators of MYC that bind to the 3'UTR of MYC transcript and prevent its translation.

Other Names:

Forkhead box protein O3, AF6q21 protein, Forkhead in rhabdomyosarcoma-like 1, FKHRL1, FOXO3A

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of human FOXO3. Antibodies were purified by affinity purification using immunogen.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN₃. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Human, Mouse

Tested Applications:

WB: 1:1,000-1:3,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

Product Data:

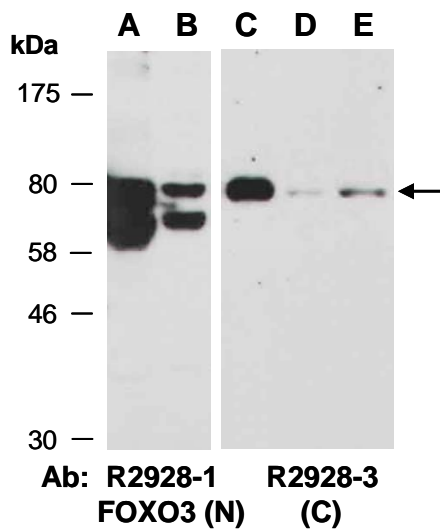


Fig 1. Western blot of total cell extracts from A, C) mouse thymus, B, D) human HeLa; E) human Jurkat; using 2 independent Abs against 2 distinct regions of human FOXO3 at RT for 2 h.