FOXO1 Polyclonal Antibody

catalog number: **E-AB-70143**

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Mouse;Rat
Immunogen	Recombinant protein corresponding to Mouse FOXO1
Host	Rabbit
Isotype	Rabbit IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 1% protein protectant and 50% glycerol.

Applications	Recommended Dilution
WB	1:500-1:2000

Data



Western Blot analysis of various samples using FOXO1 Polyclonal Antibody at dilution of 1:1000.

Observed-MW:78 kDa

Calculated-MW:78-82 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

Background

FOXO1,also named as FOXO1A,FKHR and FKH1,is a member of the FOXO subfamily of Forkhead transcription factor s. FOXO1 is a transcription factor which acts as a regulator of cell responses to oxidative stress. FOXO1 interacts with LRPPRC and SIRT1. In the presence of KIRT1,FOXO1 mediates down-regulation of cyclin D1 and up-regulation of CDKN1B levels which are required for cell transition from proliferative growth to quiescence. FOXO1 contains three predicted protein kinase B phosphorylation sites (Thr-24,Ser-256,and Ser-319) that are conserved in other FOXO proteins. The t(2;13) and the variant t(1;13) translocations generate PAX3/FKHR and PAX7/FKHR fusion proteins respectively. The resulting protein is a transcriptional activator. Defects in FOXO1 are a cause of rhabdomyosarcoma type 2 (RMS2).

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