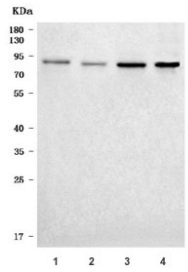
FKHRL1 Antibody / FOXO3A (RQ8018)

Catalog No.	Formulation	Size
RQ8018	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	O43524
Applications	Western blot: 0.5-1ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This FKHRL1 antibody is available for research use only.



Western blot testing of human 1) HeLa, 2) Jurkat, 3) PC-3 and 4) 293T cell lysate with FKHRL1 antibody. Expected molecular weight: 71-90 kDa depending on glycosylation level.

Description

Forkhead box O3, also known as FKHRL1 (Forkhead in rhabdomyosarcoma-like 1) or FOXO3a, is a human protein encoded by the FOXO3 gene. FOXO3 belongs to the O subclass of the forkhead family of transcription factors which are characterized by a distinct fork head DNA-binding domain. It is mapped to 6q21. This protein likely functions as a trigger for apoptosis through upregulation of genes necessary for cell death, such as Bim and PUMA, or downregulation of anti-apoptotic proteins such as FLIP. In mammals FOXO3 regulates the resistance of cells to stress by inducing DNA repair and thereby may also affect organismal life span. In addition, it is thought that FOXO3 is also involved in protection from

oxidative stress by upregulating antioxidants such as catalase and MnSOD.

Visit our FOXO3A Antibody / Forkhead Transcription Factor Antibody page for additional information about validated antibodies for investigating FOXO3A expression, forkhead transcription factor biology, PI3K/AKT signaling, apoptosis, and oxidative stress responses.

Application Notes

Optimal dilution of the FKHRL1 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids R312-Q537) was used as the immunogen for the FKHRL1 antibody.

Storage

After reconstitution, the FKHRL1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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