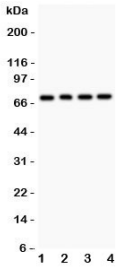
FOXO1 Antibody (R31608)

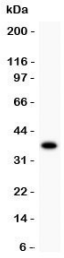
Catalog No.	Formulation	Size
R31608	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
Gene ID	2308
Applications	Western blot: 0.5-1ug/ml
Limitations	This FOXO1 antibody is available for research use only.



Western blot testing of FOXO1 antibody and Lane 1: rat lung; 2: (r) brain; 3: human COLO320; 4: (h) HEPG2. Predicted molecular weight: ~70kDa



Western blot testing of FOXO1 antibody recombinant human protein (0.5ng)

Description

Forkhead box protein O1, also known as FKHR or FOXO1A, is a protein that in humans is encoded by the FOXO1 gene. It is mapped to 13q14.11. This gene belongs to the forkhead family of transcription factors which are characterized by a distinct forkhead domain. FOXO1 plays important roles in regulation of gluconeogenesis and glycogenolysis by insulin signaling, and is also central to the decision for a preadipocyte to commit to adipogenesis. This gene is primarily regulated through phosphorylation on multiple residues. Its transcriptional activity is dependent on its phosphorylation state. Additionally, FOXO1 may play a role in myogenic growth and differentiation. Translocation of this gene with PAX3 has been associated with alveolar rhabdomyosarcoma.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the FOXO1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Human partial recombinant protein (AA 456-655) was used as the immunogen for this FOXO1 antibody.

Storage

After reconstitution, the FOXO1 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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