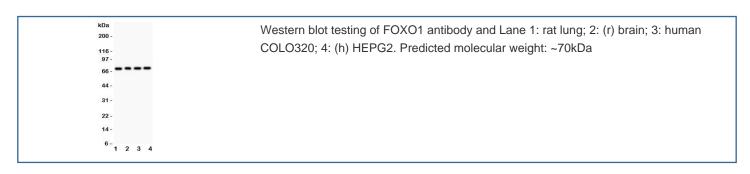


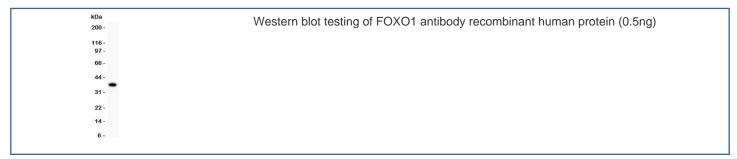
# FOXO1 Antibody (R31608)

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
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.





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.