

Human FoxO1/FKHR Antibody

Antigen Affinity-purified Polyclonal Sheep IgG Catalog Number: AF5939

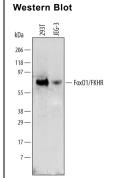
DESCRIPTION		
Species Reactivity	Human	
Specificity	Detects human FoxO1/FKHR in Western blots.	
Source	Polyclonal Sheep IgG	
Purification	Antigen Affinity-purified	
Immunogen	E. coli-derived recombinant human FoxO1/FKHR Ala353-Gly655 Accession # Q12778	
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

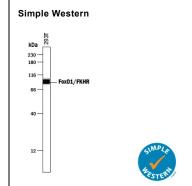
	Recommended Concentration	Sample
Western Blot	1 μg/mL	See Below
Simple Western	10 μg/mL	See Below





Detection of Human FoxO1/FKHR by Western Blot. Western blot shows lysates of 293T human embryonic kidney cell line and JEG-3 human epithelial choriocarcinoma cell line. PVDF membrane was probed with 1 µg/mL of Human FoxO1/FKHR Antigen Affinity-purified Polyclonal Antibody (Catalog # AF5939) followed by HRP-conjugated Anti-Sheep IgG Secondary Antibody (Catalog # HAF016). A specific band





Detection of Human FoxO1/FKHR by Simple WesternTM. Simple Western lane view shows lysates of 293T human embryonic kidney cell line, loaded at 0.2 mg/mL, A specific band was detected for FoxO1/FKHR at approximately 93 kDa (as indicated) using 10 μg/mL of Sheep Anti-Human FoxO1/FKHR Antigen Affinity-purified Polyclonal Antibody (Catalog # AF5939) followed by 1:50 dilution of HRP-conjugated Anti-Sheep IgG Secondary Antibody (Catalog # HAF016). This experiment was conducted under reducing conditions and using the 12-230 kDa separation system.

PREPARATION AND STORAGE

Reconstitution Reconstitute at 0.2 mg/mL in sterile PBS

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. Shipping

 * Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 $^{\circ}$ C

Stability & Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

FoxO1, also called FKHR (forkhead in rhabdomyosarcoma), is a 655 amino acid (aa), 70 kDa, ubiquitously expressed member of the forkhead box O family of winged helix transcription factors. In neurons, it is activated in response to stress, translocating to the nucleus where it promotes apoptosis and blocks proliferation. In insulin-responsive tissues, nutrient abundance triggers phosphorylation by AKT that blocks nuclear translocation and activity. A 60 kDa form, cleaved at R537, has been found in androgen-treated prostate cancer cells. Over aa 353-655, human FoxO1/FKHR shares 93% aa identity with mouse and rat FoxO1/FKHR.

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