

## Datasheet: AHP2400

<b>Description:</b>	RABBIT ANTI FOXO1
<b>Specificity:</b>	FOXO1
<b>Other names:</b>	FKHR, FOXO1A
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	50 µg

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/100 - 1/1000

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

### Target Species

Human

### Species Cross Reactivity

Reacts with: Rat

**N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

### Product Form

Purified IgG - liquid

### Antiserum Preparation

Antiserum to FOXO1 was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

### Buffer Solution

Phosphate buffered saline

### Preservative Stabilisers

0.05% Sodium Azide (NaN<sub>3</sub>)  
1 mg/ml Bovine Serum Albumin

<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	Synthetic peptide corresponding to aa 633-647 of human FOXO1
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q12778</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">2308</a> FOXO1    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	FKHR, FOXO1A
<b>Specificity</b>	<p><b>Rabbit anti FOXO1 antibody</b> recognizes Forkhead box protein O1, also known as FOXO1, Forkhead box protein O1A or Forkhead in rhabdomyosarcoma.</p> <p>FOXO1 like other members of the forkhead protein family acts as a transcription factor by binding to DNA with its forkhead box protein domain. The subcellular activation and thereby the transcriptional activity of FOXO1 is regulated via AKT mediated phosphorylation while its levels are regulated via polyubiquitination.</p> <p>FOXO1 has been shown to play a role in various signaling pathways ranging from apoptosis, proliferation, oxidative stress, DNA damage to insulin signaling (<a href="#">Huang and Tindall 2007</a>). The protein has also been proposed to act as a tumor suppressor (<a href="#">Fu and Tindall 2008</a>, <a href="#">Xie et al..2012</a>).</p>
<b>Western Blotting</b>	Rabbit anti FOXO1 antibody recognizes a band of approximately 66 kDa in HeLa cell lysate, 293T cell lysate and rat heart tissue lysate
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10041 available at: 10041: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)    [FITC](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

## Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

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