

Datasheet: AHP2400

Description:	RABBIT ANTI FOXO1
Specificity:	FOXO1
Other names:	FKHR, FOXO1A
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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	<p>Reacts with: Rat</p> <p>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.</p>
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	<p><0.1% Sodium Azide (NaN₃)</p> <p>1 mg/ml Bovine Serum Albumin</p>

Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Synthetic peptide corresponding to aa 633-647 of human FOXO1
External Database Links	<p>UniProt: Q12778 Related reagents</p> <p>Entrez Gene: 2308 FOXO1 Related reagents</p>
Synonyms	FKHR, FOXO1A
Specificity	<p>Rabbit anti FOXO1 antibody 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 (Huang and Tindall 2007). The protein has also been proposed to act as a tumor suppressor (Fu and Tindall 2008, Xie et al..2012).</p>
Western Blotting	Rabbit anti FOXO1 antibody recognizes a band of approximately 66 kDa in HeLa cell lysate, 293T cell lysate and rat heart tissue lysate
Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/AHP2400 10041
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

Recommended Useful Reagents

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

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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