

## Datasheet: AHP2997

<b>Description:</b>	RABBIT ANTI AKT3
<b>Specificity:</b>	AKT3
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	50 µl

## 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	▪			1/500 - 1/2000

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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	Antiserum to AKT3 was raised by repeated immunization of rabbits with highly purified antigen
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	0.02% Sodium Azide
<b>Stabilisers</b>	50% Glycerol
<b>Immunogen</b>	Recombinant fusion protein containing a sequence corresponding to amino acids 93-154 of human AKT3 (NP_859029.1)
<b>External Database Links</b>	<p><b>UniProt:</b></p> <p><a href="#">Q9Y243</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b></p>

---

<b>Synonyms</b>	PKBG
-----------------	------

---

<b>Specificity</b>	<p><b>Rabbit anti AKT3 antibody</b> recognises RAC-gamma serine/threonine-protein kinase, also known as PKB gamma, RAC-gamma, and STK-2.</p> <p>It plays a critical role in the AKT signalling pathway, and belongs to the AGC subfamily of protein kinases. AKT3 is involved in metabolism, cell survival, angiogenesis, and tumor formation (Baselga and Scaltriti. 2016). It is stimulated by insulin (Barthel et al. 1998), PDGF, and IGF1 (Sandirasegarane and Kester. 2001). AKT3 is a critical regulator of the growth of triple negative breast cancers (Chin et al. 2014).</p>
--------------------	---

---

<b>Storage</b>	<p>Store at -20°C</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>	<p>Material Safety Datasheet documentation #10049 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP2997">https://www.bio-rad-antibodies.com/SDS/AHP2997</a></p> <p>10049</p>
--------------------------------------	--

---

<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](#)
- Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
- Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

**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)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

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

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

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

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)  
'M416522:230302'

Printed on 12 Aug 2023