

## Datasheet: 9280-0050G

<b>Description:</b>	RABBIT ANTI TUBULIN
<b>Specificity:</b>	TUBULIN
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.5 ml

### 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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			1/50 - 1/500
Immunoprecipitation			▪	
Western Blotting	▪			1/250 - 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

Pig

#### Species Cross Reactivity

Reacts with: Mouse, Rat, Human

**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

Antisera to tubulin were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.

#### Buffer Solution

Phosphate buffered saline

<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 5.0mg/ml
<b>Immunogen</b>	Purified porcine brain tubulin.
<b>RRID</b>	AB_808758
<b>Specificity</b>	<p><b>Rabbit anti Porcine tubulin antibody</b> recognizes tubulin, a protein which is the major constituent of microtubules. Tubulin is a dimer of alpha and beta chains, which binds two molecules of GTP, one at an exchangeable site on the beta chain and one at a non-exchangeable site on the alpha-chain. There are at least six isotypes of both alpha- and beta- tubulin in human cells, which are distinguished by slightly different amino acid sequences and encoded by a large, multigene family that has been highly conserved throughout evolution.</p> <p>Although the most important functions of microtubules in proliferative cells are through their actions as components of the mitotic spindle, they are also involved in many other essential functions throughout the cell cycle of both malignant and nonmalignant cells. Antimicrotubule agents including Vinca alkaloids and taxanes may disrupt many of these essential functions.</p>
<b>References</b>	<ol style="list-style-type: none"> <li>1. Gelfand, V.I. &amp; Bershinsky, A.D. (1991) Microtubule dynamics: mechanism, regulation, and function. <a href="#">Annu Rev Cell Biol. 7: 93-116.</a></li> <li>2. Downing, K.H. &amp; Nogales, E. (1998) Tubulin structure: insights into microtubule properties and functions. <a href="#">Curr Opin Struct Biol. 8 (6): 785-91.</a></li> <li>3. Wang, M. &amp; Collins, R.N. (2014) A lysine deacetylase Hos3 is targeted to the bud neck and involved in the spindle position checkpoint. <a href="#">Mol Biol Cell. 25 (18): 2720-34.</a></li> <li>4. Coluccio, L.M. <i>et al.</i> (2021) Enhancing Antibodies' Binding Capacity through Oriented Functionalization of Plasmonic Surfaces <a href="#">Nanomaterials. 11 (10): 2620.</a></li> </ol>
<b>Further Reading</b>	<ol style="list-style-type: none"> <li>1. Piriou-Guzylack, L. (2008) Membrane markers of the immune cells in swine: an update. <a href="#">Vet Res. 39: 54.</a></li> </ol>
<b>Storage</b>	<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>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: 10040: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a>
<b>Regulatory</b>	For research purposes only

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## Related Products

### Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...) [FITC](#)  
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](#)  
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

### Recommended Useful Reagents

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

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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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](https://bio-rad-antibodies.com/datasheets)

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