

Datasheet: 9280-0050G

BATCH NUMBER 150028

Description:	RABBIT ANTI TUBULIN
Specificity:	TUBULIN
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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

Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 5.0mg/ml
Immunogen	Purified porcine brain tubulin.
RRID	AB_808758
Specificity	<p>Rabbit anti Porcine tubulin antibody 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>
References	<ol style="list-style-type: none"> 1. Gelfand, V.I. & Bershady, A.D. (1991) Microtubule dynamics: mechanism, regulation, and function. Annu Rev Cell Biol. 7: 93-116. 2. Downing, K.H. & Nogales, E. (1998) Tubulin structure: insights into microtubule properties and functions. Curr Opin Struct Biol. 8 (6): 785-91. 3. Wang, M. & Collins, R.N. (2014) A lysine deacetylase Hos3 is targeted to the bud neck and involved in the spindle position checkpoint. Mol Biol Cell. 25 (18): 2720-34.
Further Reading	1. Piriou-Guzylack, L. (2008) Membrane markers of the immune cells in swine: an update. Vet Res. 39: 54.
Storage	<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>
Guarantee	12 months from date of despatch
Health And Safety Information	<p>Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/9280-0050G</p> <p>10040</p>
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

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

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

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

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
'M363574:200528'

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