

Datasheet: 9280-0050G

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.
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.
Specificity	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.

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.

References	<ol style="list-style-type: none">1. Gelfand, V.I. & Bershinsky, 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	<ol style="list-style-type: none">1. Piriou-Guzylack, L. (2008) Membrane markers of the immune cells in swine: an update. Vet Res. 39: 54.
Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. 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.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet Documentation #10040 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (2AB02...)	Biotin
Sheep Anti Rabbit IgG (STAR34...)	FITC
Sheep Anti Rabbit IgG (STAR35...)	RPE
Goat Anti Rabbit IgG (H/L) (STAR124...)	HRP
Sheep Anti Rabbit IgG (STAR36...)	DyLight®488 , DyLight®549 , DyLight®649 , DyLight®680 , DyLight®800
Sheep Anti Rabbit IgG (STAR54...)	HRP
Goat Anti Rabbit IgG (Fc) (STAR121...)	Biotin , FITC , HRP

Recommended Useful Reagents

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

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