

#### OriGene Technologies, Inc.

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# Product datasheet for SM568P

### Tubulin (TUBA1B) Rat Monoclonal Antibody [Clone ID: YOL1/34]

#### **Product data:**

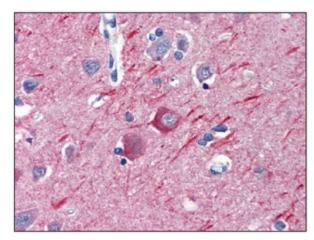
Clone Name:VOL/34Applications:ELISA: FLAC, P.R, WBRecommended Dilutoi:ELISA: 10 µg/ml as Detecting antibody. Radioimmunoassay. Western blotting. Western blotting. How Oxtometry (Not tested). Immunofluorescence. Flow Cytometry (Not tested). Immunofluorescence.Reactivity:Reactivity Oxtometry Ox	Product Type:	Primary Antibodies
Recommended DilutionLLSA: 10 µg/ml as Detecting antibody. Radioimmunoassay. Western blotting. Immunofluorescence. Flow Cytometry (Not tested). Immunohistochemistry on Frozen and Paraffin Sections.Reactivity:Human, Mammalian, Mouse, Rat, Yeast, Birds, DrosophilaHost:Rat IgG2aClonality:IgG2aClonality:Yeast Tubulin. Spleen cells from immunised LOU rats were fused with cells of the rat YB2/0 Myeloma cell line.Specificity:SM568P specifically recognizes the alpha subunit of Tubulin. The reactivity pattern is similar to that seen with Clone YL1/2 (catNo SM2202P). This antibody is routinely tested in ELISA on Tubulin.Formulation:PBS State: Purified State: Purified State: Purified State: Uquid purified IgG fraction. Preservative: 0.09% Sodium AzideConcentration:Id specificPurification:Id specificPurification:ConjugatedStorage:Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.	Clone Name:	YOL1/34
Radioimmunoassay. Western blotting. Immunofluorescence. Flow Cytometry (Not tested). Immunohistochemistry on Frozen and Paraffin Sections.Reactivity:Human, Mammalian, Mouse, Rat, Yeast, Birds, DrosophilaHost:RatIsotype:IgG2aClonality:MonoclonalImmunogen:Yeast Tubulin. Spleen cells from immunised LOU rats were fused with cells of the rat YB2/0 Myeloma cell line.Specificity:SM568P specifically recognizes the alpha subunit of Tubulin. The reactivity pattern is similar to that seen with Clone YL1/2 (catNo SM2202P). This antibody is routinely tested in ELISA on Tubulin.Formulation:PBS State: Purified State: Liquid purified IgG fraction. Preservative: 0.09% Sodium AzideConcentration:Iot specific Iot specificPurification:Affinity Chromatography on Protein G Conjugation:Storage:Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.	Applications:	ELISA, IF, IHC, IP, R, WB
Host:RatIsotype:IgG2aClonality:MonoclonalImmunogen:Yeast Tubulin. Spleen cells from immunised LOU rats were fused with cells of the rat YB2/0 Myeloma cell line.Specificity:SM568P specifically recognizes the alpha subunit of Tubulin. The reactivity pattern is similar to that seen with Clone YL1/2 (catNo SM2202P). This antibody is routinely tested in ELISA on Tubulin.Formulation:PBS State: Purified State: Liquid purified IgG fraction. Preservative: 0.09% Sodium AzideConcentration:lot specificPurification:Affinity Chromatography on Protein GConjugation:UnconjugatedStorage:Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.	Recommended Dilution:	Radioimmunoassay. Western blotting. Immunofluorescence. Flow Cytometry (Not tested).
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Avoid repeated freezing and thawing.	Conjugation:	Unconjugated
Stability:Shelf life: one year from despatch.	Storage:	
	Stability:	Shelf life: one year from despatch.



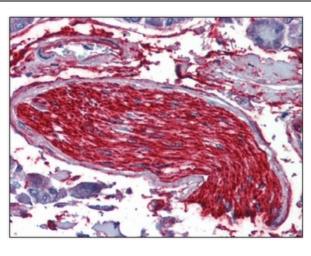
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	Tubulin (TUBA1B) Rat Monoclonal Antibody [Clone ID: YOL1/34] – SM568P
Gene Name:	tubulin alpha 1b
Database Link:	<u>Entrez Gene 22143 MouseEntrez Gene 500929 RatEntrez Gene 10376 Human</u> <u>P68363</u>
Background:	Microtubules are involved in a wide variety of cellular activities ranging from mitosis and transport events to cell movement and the maintenance of cell shape. Tubulin itself is a globular protein consisting of two polypeptides (alpha and beta tubulin). Alpha and beta tubulin dimers are assembled to 13 protofilaments that form a microtubule of 22-nm diameter. Tyrosine ligase adds a C-terminal tyrosine to monomeric alpha tubulin. Assembled microtubules can again be detyrosinated by a cytoskeleton-associated carboxypeptidase. Detyrosinated alpha tubulin is referred to as Glu-tubulin. Another post-translational modification of detyrosinated alpha tubulin is C-terminal polyglutamylation, which is characteristic of microtubules in neuronal cells and the mitotic spindle.
Synonyms:	Tubulin alpha-1B chain, Tubulin alpha-ubiquitous chain, Alpha-tubulin ubiquitous, Tubulin K- alpha-1
Protein Families	: Druggable Genome
Protein Pathway	s: Gap junction, Pathogenic Escherichia coli infection

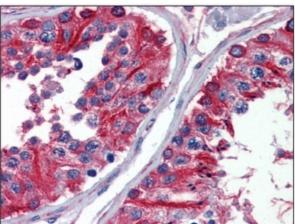
## **Product images:**



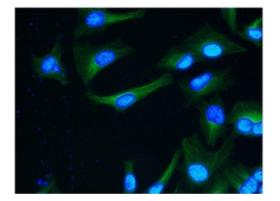
Immunohistochemistry: Alpha Tubulin antibody staining of Formalin-Fixed, Paraffin-Embedded Human Brain, Cortex followed by biotinylated secondary antibody, alkaline phosphatasestreptavidin and chromogen.

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Immunohistochemistry: Alpha Tubulin antibody staining of Formalin-Fixed, Paraffin-Embedded Human Nerve followed by biotinylated secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Immunohistochemistry: Alpha Tubulin antibody staining of Formalin-Fixed, Paraffin-Embedded Human Testis followed by biotinylated secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Alpha Tubulin antibody staining of HeLa cells, green, nuclei are counterstained with DAPI.

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