



Anti-Tubulin monoclonal antibody, clone ZPM2/45 (DCABH-6005)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rat monoclonal to Tubulin - BSA and Azide free
Antigen Description	Tubulin is the major constituent of microtubules. It binds two moles of GTP, one at an exchangeable site on the beta chain and one at a non-exchangeable site on the alpha-chain.
Isotype	IgG2a
Source/Host	Rat
Species Reactivity	Mouse, Rat, Dog, Human, <i>S. cerevisiae</i> , <i>S. pombe</i> , Alligator
Clone	ZPM2/45
Conjugate	Unconjugated
Applications	ELISA, WB, ICC/IF, RIA, Flow Cyt, IHC-FoFr
Positive Control	This antibody binds to an epitope between amino acids 414 and 422 of alpha tubulin. This antibody gave a positive signal in the following lysates: HeLa Whole Cell, Rat Brain Tissue, NIH3T3 Whole Cell. In Flow Cytometry, this antibody gave a positive signa
Format	Liquid
Size	100 µg
Buffer	pH: 7.4; Constituent: PBS
Preservative	None
Storage	Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

GENE INFORMATION

Gene Name	TUBA1B tubulin, alpha 1b [Homo sapiens]
Official Symbol	Tuba1b
Synonyms	TUBA1B; tubulin, alpha 1b; tubulin alpha-1B chain; K ALPHA 1; tubulin; alpha; ubiquitous; alpha tubulin; tubulin K-alpha-1; alpha-tubulin ubiquitous; tubulin, alpha, ubiquitous; tubulin alpha-ubiquitous chain; K-ALPHA-1;
Entrez Gene ID	10376
Protein Refseq	NP_006073
UniProt ID	P68363
Chromosome Location	12q13.12
Pathway	Chaperonin-mediated protein folding, organism-specific biosystem; Cooperation of Prefoldin and TriC/CCTin actin and tubulin folding, organism-specific biosystem; Formation of tubulin folding intermediates by CCT/TriC, organism-specific biosystem; Gap junction, organism-specific biosystem; Gap junction, conserved biosystem; Metabolism of proteins, organism-specific biosystem; Pathogenic Escherichia coli infection, organism-specific biosystem;
Function	GTP binding; GTPase activity; nucleotide binding; protein binding; structural constituent of cytoskeleton; structural molecule activity;