



# Anti-TUBB3 monoclonal antibody, clone TEM.4E21 (DCABH-376)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Mouse monoclonal to beta III Tubulin - Neuronal Marker
<b>Antigen Description</b>	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. TUBB3 plays a critical role in proper axon guidance and maintenance.
<b>Specificity</b>	This antibody may be used for the localization of isotype III of beta-tubulin using various immunochemical assays.
<b>Immunogen</b>	Chemically synthesized peptide corresponding to the carboxyl-terminal sequence of human beta-tubulin isotype III conjugated to BSA.
<b>Isotype</b>	IgG2b
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Mouse, Rat, Cow, Human
<b>Clone</b>	TEM.4E21
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, Indirect ELISA
<b>Positive Control</b>	Rat brain extract.
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	Preservative: 15mM Sodium Azide; Constituents: Raw Ascites

<b>Preservative</b>	15mM Sodium Azide
<b>Storage</b>	store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Ship</b>	Shipped at 4°C.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">TUBB3 tubulin, beta 3 class III [ Homo sapiens ]</a>
<b>Official Symbol</b>	TUBB3
<b>Synonyms</b>	TUBB3; tubulin, beta 3 class III; tubulin, beta 3; tubulin beta-3 chain; beta 4; class III beta tubulin; tubulin beta-III; tubulin beta-4 chain; class III beta-tubulin; CDCBM; TUBB4; beta-4; CFEOM3A;
<b>Entrez Gene ID</b>	<a href="#">10381</a>
<b>Protein Refseq</b>	<a href="#">NP_001184110</a>
<b>UniProt ID</b>	<a href="#">Q13509</a>
<b>Chromosome Location</b>	16q24.3
<b>Pathway</b>	Chaperonin-mediated protein folding, organism-specific biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Cooperation of Prefoldin and TriC/CCTin actin and tubulin folding, organism-specific biosystem; Diurnally regulated genes with circadian orthologs, organism-specific biosystem; Formation of tubulin folding intermediates by CCT/TriC, organism-specific biosystem; G alpha (s) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem;
<b>Function</b>	GTP binding; GTPase activity; nucleotide binding; structural molecule activity;