



Anti-TUBB4A monoclonal antibody (DCABH-201666)

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

PRODUCT INFORMATION

Antigen Description This gene encodes a member of the beta tubulin family. Beta tubulins are one of two core protein families (alpha and beta tubulins) that heterodimerize and assemble to form microtubules. Mutations in this gene cause hypomyelinating leukodystrophy-6 and autosomal dominant torsion dystonia-4. Alternate splicing results in multiple transcript variants encoding different isoforms. A pseudogene of this gene is found on chromosome X.

Immunogen A synthetic peptide of human TUBB4 is used for rabbit immunization.

Isotype IgG

Source/Host Rabbit

Species Reactivity Human

Purification Protein A

Conjugate Unconjugated

Applications WB, ELISA

Size 1 mg

Buffer In 1x PBS, pH 7.4

Preservative None

Storage Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	TUBB4A tubulin, beta 4A class IVa [Homo sapiens (human)]
Official Symbol	TUBB4A
Synonyms	TUBB4A; tubulin, beta 4A class IVa; DYT4; TUBB4; TUBB5; beta-5; tubulin beta-4A chain; tubulin, beta, 5; tubulin beta-4 chain; dystonia 4, torsion (autosomal dominant);
Entrez Gene ID	10382
Protein Refseq	NP_001276052
UniProt ID	P04350
Chromosome Location	19p13.3
Pathway	Cell Cycle; Cell Cycle, Mitotic; Centrosome maturation; Chaperonin-mediated protein folding; Cooperation of Prefoldin and TriC/CCT in actin and tubulin folding; Formation of tubulin folding intermediates by CCT/TriC; G2/M Transition; Gap junction; Loss of Nlp from mitotic centrosomes; Loss of proteins required for interphase microtubule organization??from the centrosome; Metabolism of proteins;
Function	GTP binding; GTPase activity; protein binding; structural constituent of cytoskeleton;