

Product datasheet

Anti-beta II Tubulin antibody [7B9] ab28035

6 References [画像数 1](#)

製品の概要

製品名	Anti-beta II Tubulin antibody [7B9]
製品の詳細	Mouse monoclonal [7B9] to beta II Tubulin
由来種	Mouse
アプリケーション	適用あり: WB, ICC/IF
種交差性	交差種: Human 交差が予測される動物種: Mammals
免疫原	Synthetic peptide, CEEEEGEDEA found at the c-terminus of beta II tubulin.

[Run BLAST with](#)

[Run BLAST with](#)

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	7B9
アイソタイプ	IgG3

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab28035** in the following tested applications.

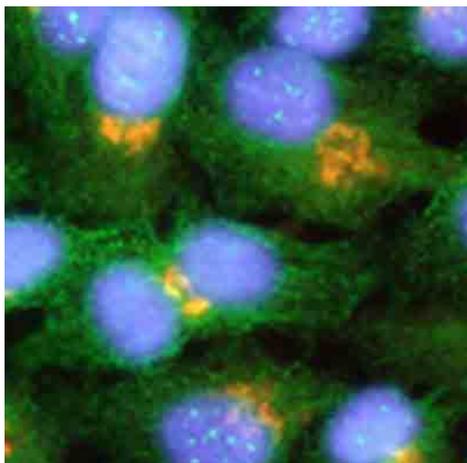
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
WB		1/1000. Predicted molecular weight: 50 kDa.
ICC/IF		Use at an assay dependent dilution.

ターゲット情報

機能	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.
組織特異性	Ubiquitous.
配列類似性	Belongs to the tubulin family.
ドメイン	The highly acidic C-terminal region may bind cations such as calcium.
翻訳後修飾	Some glutamate residues at the C-terminus are polyglutamylated. This modification occurs exclusively on glutamate residues and results in polyglutamate chains on the gamma-carboxyl group. Also monoglycylated but not polyglycylated due to the absence of functional TLL10 in human. Monoglycylation is mainly limited to tubulin incorporated into axonemes (cilia and flagella) whereas glutamylation is prevalent in neuronal cells, centrioles, axonemes, and the mitotic spindle. Both modifications can coexist on the same protein on adjacent residues, and lowering glycylation levels increases polyglutamylation, and reciprocally. The precise function of such modifications is still unclear but they regulate the assembly and dynamics of axonemal microtubules.
細胞内局在	Cytoplasm > cytoskeleton.

画像



ab28035 staining beta tubulin (green) in methanol fixed HeLa cells. The golgi is stained with anti-giantin,(orange)and the DNA with DAPI (blue).

Immunocytochemistry/ Immunofluorescence - Anti-beta II Tubulin antibody [7B9] (ab28035)

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