

Cy3 ® Anti-beta Tubulin antibody [TUB 2.1] ab11309

★★★★★ [11 Abreviews](#) [10 References](#) [画像数 1](#)

製品の概要

製品名	Cy3 ® Anti-beta Tubulin antibody [TUB 2.1]
製品の詳細	Cy3 ® Mouse monoclonal [TUB 2.1] to beta Tubulin
由来種	Mouse
標識	Cy3 ®. Ex: 552nm, Em: 565nm
アプリケーション	適用あり: ICC/IF
種交差性	交差種: Chicken
免疫原	Full length protein corresponding to beta Tubulin. Purified rat brain tubulin.
エピトープ	Ab11309 specifically recognizes an epitope in the carboxy-terminal part of beta-tubulin (between amino acids 281-446).
ポジティブ・コントロール	Cultured chicken fibroblasts.
特記事項	<p>If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use.</p> <p>The product is prepared by conjugation of Cy3 to purified monoclonal anti-beta-tubulin antibody. The conjugate is purified by gel filtration to remove unbound Cy3 fluorophore. F/P Molar Ratio: (Cy3:Ab) 3 to 9.</p> <p>This product or portions thereof is manufactured under license from Carnegie Mellon University under U.S. Patent Number 5, 268, 486 and related patents. Cy[®] and CyDye[®] are trademarks of Cytiva.</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C.
バッファー	<p>pH: 7.40</p> <p>Preservative: 0.097% Sodium azide</p> <p>Constituents: 0.0268% PBS, 1% BSA</p>
精製度	Proprietary Purification
ポリ/モノ	モノクローナル
クローン名	TUB 2.1
アイソタイプ	IgG1

アプリケーション

The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab11309の使用に適用されます**
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
ICC/IF	★★★★★ (3)	1/200.

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	Ubiquitously expressed with highest levels in spleen, thymus and immature brain.
関連疾患	Cortical dysplasia, complex, with other brain malformations 6 Skin creases, congenital symmetric circumferential, 1
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, resulting in polyglutamate chains on the gamma-carboxyl group (PubMed:26875866). Polyglutamylation plays a key role in microtubule severing by spastin (SPAST). SPAST preferentially recognizes and acts on microtubules decorated with short polyglutamate tails: severing activity by SPAST increases as the number of glutamates per tubulin rises from one to eight, but decreases beyond this glutamylation threshold (PubMed:26875866). Some glutamate residues at the C-terminus are monoglycylated but not polyglycylated due to the absence of functional TTL10 in human. Monoglycylation is mainly limited to tubulin incorporated into axonemes (cilia and flagella). Both polyglutamylation and monoglycylation can coexist on the same protein on adjacent residues, and lowering glycylation levels increases polyglutamylation, and reciprocally. The precise function of monoglycylation is still unclear. Phosphorylated on Ser-172 by CDK1 during the cell cycle, from metaphase to telophase, but not in interphase. This phosphorylation inhibits tubulin incorporation into microtubules.
細胞内局在	Cytoplasm, cytoskeleton.

画像



Immunofluorescent analysis of methanol fixed, acetone permeabilized chicken fibroblast cells labelling beta-Tubulin-Cy3 using ab11309 at 1/200 dilution.

Immunocytochemistry/ Immunofluorescence - Cy3 ®
Anti-beta Tubulin antibody [TUB 2.1] (ab11309)

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