



Anti-Detyrosinated alpha Tubulin antibody [AA12] - Microtubule Marker ab254154

リコンビナント

★★★★★ **1 Abreviews** **1 References** 画像数 9

製品の概要

製品名	Anti-Detyrosinated alpha Tubulin antibody [AA12] - Microtubule Marker
製品の詳細	Mouse monoclonal [AA12] to Detyrosinated alpha Tubulin - Microtubule Marker
由来種	Mouse
アプリケーション	適用あり: IHC-P, IHC-Fr, ICC/IF, WB
種交差性	交差種: Mouse, Rat, Human
免疫原	Synthetic peptide corresponding to Human Detyrosinated alpha Tubulin. Database link: Q71U36
	 Run BLAST with  Run BLAST with
ポジティブ・コントロール	WB: Human, rat and mouse brain tissue lysate. Human and rat hippocampus tissue lysate. IHC-P: Human, mouse and rat cerebrum tissue. IHC-Fr: Mouse and rat cerebrum tissue. ICC/IF: Mouse primary neuron cells.
特記事項	<p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
バッファー	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 0.05% BSA, 40% Glycerol (glycerin, glycerine)

精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	AA12
アイソタイプ	IgG2a

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ab254154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。

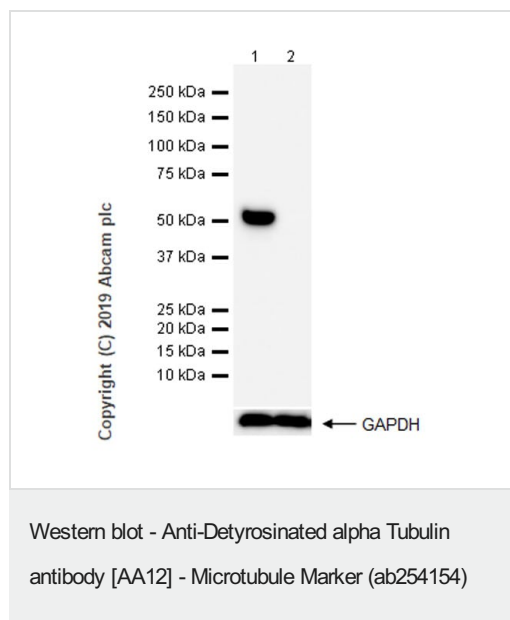
アプリケーション	Abreviews	特記事項
IHC-P		1/4000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
IHC-Fr		1/100. Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).
ICC/IF		1/250.
WB	★★★★★ (1)	1/1000. Predicted molecular weight: 50 kDa.

ターゲット情報

関連性 Microtubules are required for many well characterized functions in eukaryotic cells, including the movement of chromosomes in mitosis and meiosis, intracellular transport, establishment and maintenance of cellular morphology, cell growth, cell migration and morphogenesis in multicellular organisms. The building block of a microtubule is the tubulin subunit, a heterodimer of alpha and beta tubulin. Both of these monomers are found in all eukaryotes, and their sequences are highly conserved. The tubulin protein is a major target of drug molecules, and consequently, tubulin inhibitors have attracted great attention as antimitotic antitumor agents for chemotherapeutic use. This antibody recognizes deetyrosinated alpha tubulin, a post translational modification of alpha tubulin.

細胞内局在 Cytoplasmic

画像



All lanes : Anti-Detyrosinated alpha Tubulin antibody [AA12] - Microtubule Marker (ab254154) at 1/1000 dilution

Lane 1 : Mouse brain tissue lysate

Lane 2 : Mouse heart tissue lysate

Lysates/proteins at 20 µg per lane.

Secondary

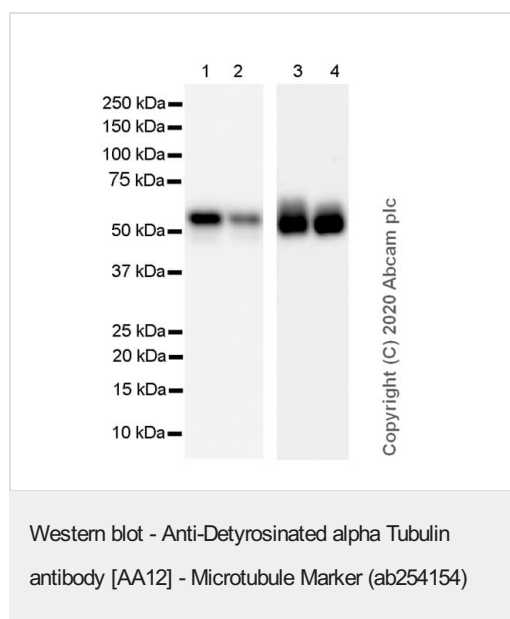
All lanes : Anti-mouse IgG for IP (HRP) ([ab131368](#)) at 1/1000 dilution

Predicted band size: 50 kDa

Exposure time: 7 seconds

Blocking/Dilution buffer: 5% NFDM/TBST.

Negative control: Mouse heart (PMID:15899979).



All lanes : Anti-Detyrosinated alpha Tubulin antibody [AA12] - Microtubule Marker (ab254154) at 1/1000 dilution

Lane 1 : Human hippocampus tissue lysate

Lane 2 : Human brain tissue lysate

Lane 3 : Rat hippocampus tissue lysate

Lane 4 : Rat brain tissue lysate

Lysates/proteins at 20 µg per lane.

Secondary

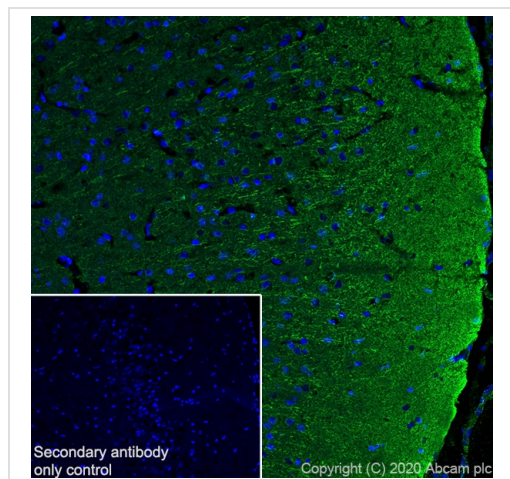
Lanes 1-2 : VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)) at 1/1000 dilution

Lanes 3-4 : Anti-mouse IgG for IP (HRP) ([ab131368](#)) at 1/1000 dilution

Predicted band size: 50 kDa

Blocking/Dilution buffer: 5% NFDM/TBST.

Exposure times: Lane 1, 2: 3 seconds; Lane 3, 4: 7 seconds.

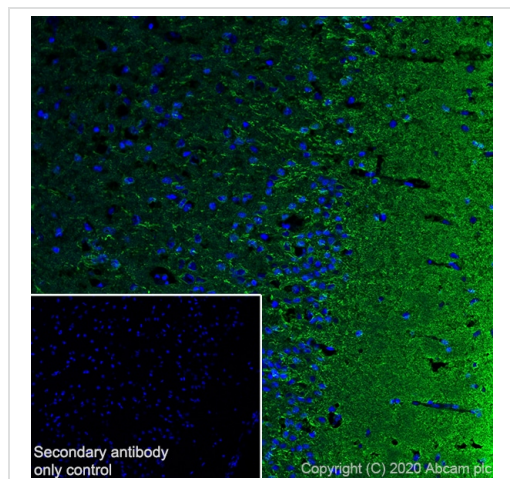


Immunohistochemistry (Frozen sections) - Anti-Detyrosinated alpha Tubulin antibody [AA12] - Microtubule Marker (ab254154)

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen rat cerebrum tissue labeling Detyrosinated A Tubulin with ab254154 at 1/100 dilution followed by **ab150113** Goat Anti-mouse IgG H&L (Alexa Fluor® 488) at 1/1000 (2µg/ml) dilution (Green). Cytoplasmic staining on rat cerebrum is observed. The nuclear counterstain was DAPI (Blue).

Secondary antibody control: Secondary antibody is **ab150113** Goat Anti-mouse IgG H&L (Alexa Fluor® 488) at 1/1000 (2µg/ml) dilution.

Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).

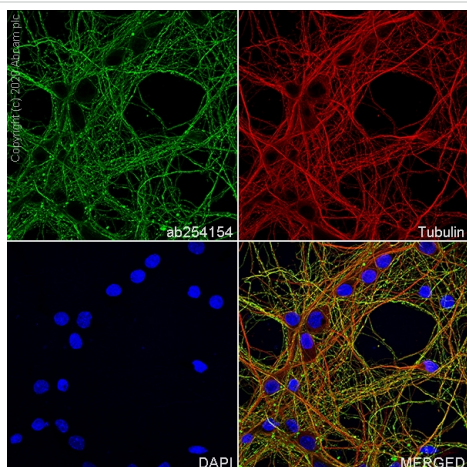


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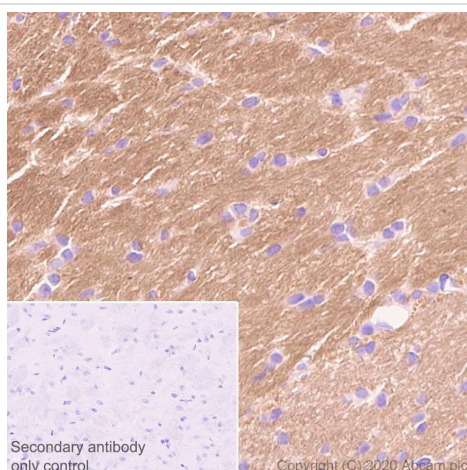
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Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).



Immunocytochemistry/ Immunofluorescence - Anti-Detyrosinated alpha Tubulin antibody [AA12] - Microtubule Marker (ab254154)

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized mouse primary neuron cells labelling Detyrosinated A Tubulin with ab254154 at 1/250 dilution, followed by **ab150113** Goat Anti-mouse IgG H&L (Alexa Fluor® 488) antibody at 1/1000 dilution (Green). Confocal image showing cytoplasmic staining in mouse primary neuron cells. Confocal scanning Z step was set as 0.3µm followed by image processing with maximum Z projection. **ab179513** Anti-beta Tubulin rabbit monoclonal antibody was used to counterstain tubulin at 1/200 dilution, followed by **ab150080** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 594) (Red). The nuclear counterstain was DAPI (Blue).

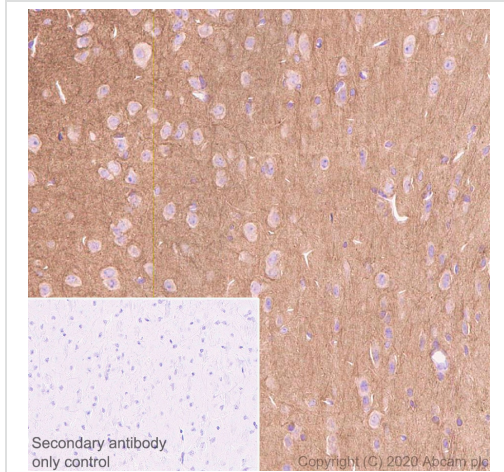


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Detyrosinated alpha Tubulin antibody [AA12] - Microtubule Marker (ab254154)

Immunohistochemical analysis of paraffin-embedded rat cerebrum tissue labeling Detyrosinated A Tubulin with ab254154 at 1/4000 dilution followed by ready to use Goat Anti-mouse IgG H&L (HRP polymer) (**ab214879**). Cytoplasmic staining on rat cerebrum. The section was incubated with ab254154 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is ready to use Goat Anti-mouse IgG H&L (HRP polymer) (**ab214879**).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.

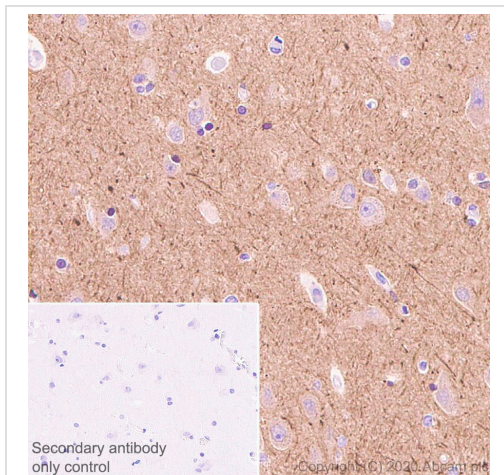


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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Detyrosinated alpha Tubulin antibody [AA12] - Microtubule Marker (ab254154)

Immunohistochemical analysis of paraffin-embedded human cerebrum tissue labeling Detyrosinated A Tubulin with ab254154 at 1/4000 dilution followed by ready to use Goat Anti-mouse IgG H&L (HRP polymer) ([ab214879](#)). Cytoplasmic staining on human cerebrum. The section was incubated with ab254154 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND[®] RX instrument. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is ready to use Goat Anti-mouse IgG H&L (HRP polymer) ([ab214879](#)).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.

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Microtubule Marker (ab254154)

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