


Anti-beta Actin antibody [SP124] - Cytoskeleton Marker ab115777

リコンビナント **RabMAb**

★★★★★ **1 Abreviews** **105 References** 画像数 **13**

製品の概要

製品名	Anti-beta Actin antibody [SP124] - Cytoskeleton Marker
製品の詳細	Rabbit monoclonal [SP124] to beta Actin - Cytoskeleton Marker
由来種	Rabbit
特異性	The immunogen used for this product shares 71% homology with Gamma actin/actin cytoplasmic 2 and 64% homology with cardiac, smooth, and skeletal muscle actin. Cross-reactivity with these proteins has not been confirmed experimentally.
アプリケーション	適用あり: WB, IHC-P, ICC/IF, Flow Cyt (Intra)
種交差性	交差種: Mouse, Rat, Human 交差が予測される動物種: Rabbit, Chicken, Cow, Dog, Pig 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	IHC-P: Human Placenta, Human placenta, Mouse placenta, and Rat placenta tissue; WB: Raji, HeLa, A549, HEK-293, NIH/3T3 and Raw 264.7 cell lysate; Flow Cyt (Intra): HeLa, NIH/3T3, and C6 cells; ICC/IF: NIH/3T3, and C6 cells.
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 For more information see here . This product is FOR RESEARCH USE ONLY. For commercial use, please contact partnerships@abcam.com.

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.
バッファー	pH: 7.60 Preservative: 0.1% Sodium azide

	Constituents: PBS, 1% BSA
精製度	Protein A/G purified
特記事項(精製)	Purified from TCS by protein A/G.
ポリ/モノ	モノクローナル
クローン名	SP124
アイソタイプ	IgG

アプリケーション

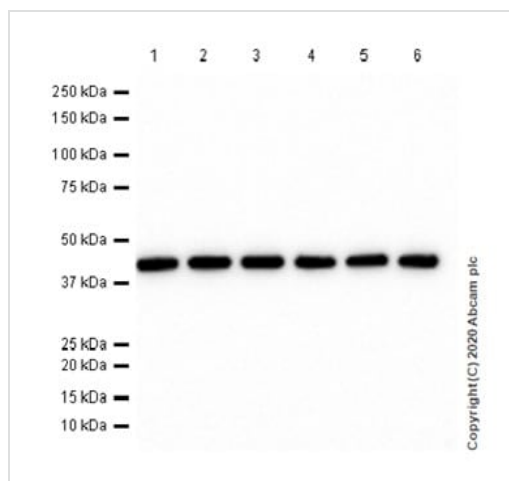
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab115777の使用に適用されます**
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
WB	★★★★★ (1)	1/200. Predicted molecular weight: 42 kDa.
IHC-P		1/200. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. Boil tissue section in 10mM citrate buffer, pH 6.0 for 10 min followed by cooling at room temperature for 20 min.
ICC/IF		1/50.
Flow Cyt (Intra)		1/200. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

ターゲット情報

機能	Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells.
関連疾患	Defects in ACTB are a cause of dystonia juvenile-onset (DYTJ) [MIM:607371]. DYTJ is a form of dystonia with juvenile onset. Dystonia is defined by the presence of sustained involuntary muscle contraction, often leading to abnormal postures. DYTJ patients manifest progressive, generalized, dopa-unresponsive dystonia, developmental malformations and sensory hearing loss.
配列類似性	Belongs to the actin family.
翻訳後修飾	ISGylated.
細胞内局在	Cytoplasm > cytoskeleton. Localized in cytoplasmic mRNP granules containing untranslated mRNAs.

画像



Western blot - Anti-beta Actin antibody [SP124] - Cytoskeleton Marker (ab115777)

All lanes : Anti-beta Actin antibody [SP124] - Cytoskeleton Marker (ab115777) at 1/200 dilution

Lane 1 : Raji (Human Burkitt's lymphoma B lymphocyte) whole cell lysate

Lane 2 : HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate

Lane 3 : NIH/3T3 (Mouse embryonic fibroblast) whole cell lysate

Lane 4 : A549 (Human lung carcinoma epithelial cell) whole cell lysate

Lane 5 : HEK-293 (Human embryonic kidney epithelial cell) whole cell lysate

Lane 6 : RAW 264.7 (Mouse Abelson murine leukemia virus-induced tumor macrophage) whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

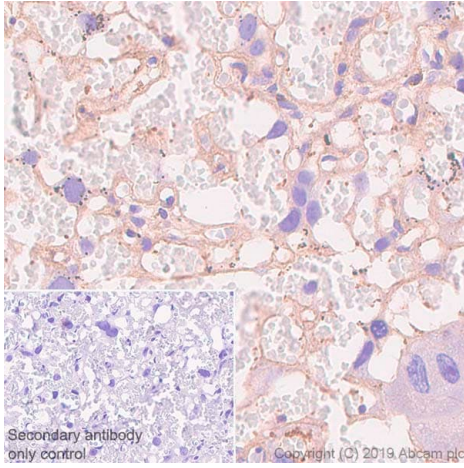
All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 42 kDa

Observed band size: 42 kDa

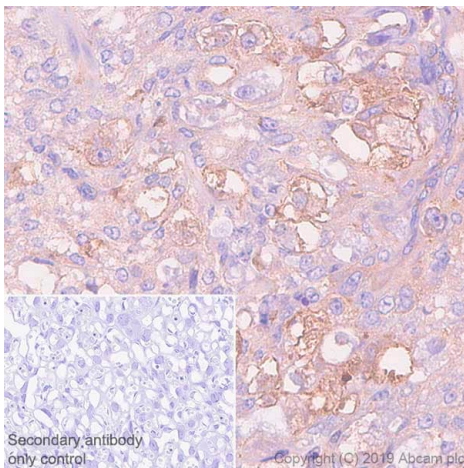
Exposure time: 10 seconds

Blocking/Diluting buffer and concentration 5% NFDM/TBST



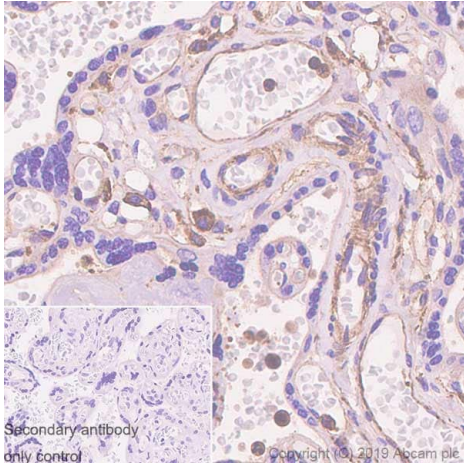
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-beta Actin antibody
[SP124] - Cytoskeleton Marker (ab115777)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Rat placenta tissue sections labeling beta Actin with ab115777 at 1/100 dilution. Heat mediated antigen retrieval was performed Heat mediated antigen retrieval with citrate sodium buffer (pH 6.0, epitope retrieval solution 1) for 10mins. Goat Anti-Rabbit & Mouse IgG (HRP) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



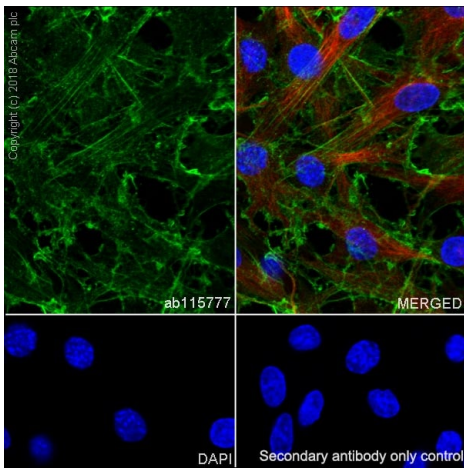
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-beta Actin antibody
[SP124] - Cytoskeleton Marker (ab115777)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Mouse placenta tissue sections labeling beta Actin with ab115777 at 1/200 dilution. Heat mediated antigen retrieval was performed Heat mediated antigen retrieval with citrate sodium buffer (pH 6.0, epitope retrieval solution 1) for 10mins. Goat Anti-Rabbit & Mouse IgG (HRP) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



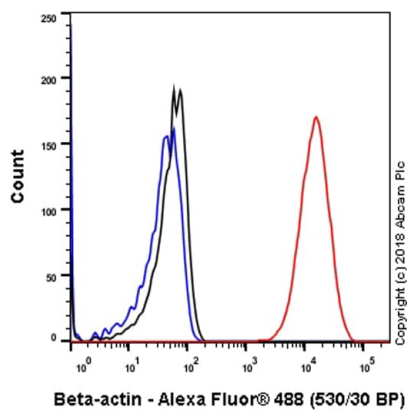
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-beta Actin antibody [SP124] - Cytoskeleton Marker (ab115777)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human placenta tissue sections labeling beta Actin with ab115777 at 1/200 dilution. Heat mediated antigen retrieval was performed Heat mediated antigen retrieval with citrate sodium buffer (pH 6.0, epitope retrieval solution 1) for 10mins. Goat Anti-Rabbit & Mouse IgG (HRP) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



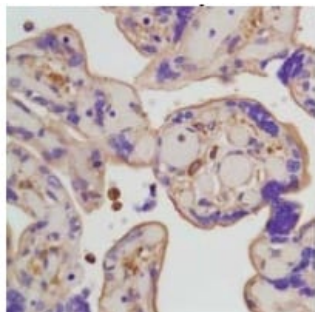
Immunocytochemistry/ Immunofluorescence - Anti-beta Actin antibody [SP124] - Cytoskeleton Marker (ab115777)

Immunocytochemistry/ Immunofluorescence analysis of C6 (rat glial tumor glial cell) cells labeling beta Actin with purified ab115777 at 1/50 dilution. Cells were fixed in 4% paraformaldehyde and permeabilized with 0.1% Triton X-100. Cells were counterstained with Ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody. DAPI nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



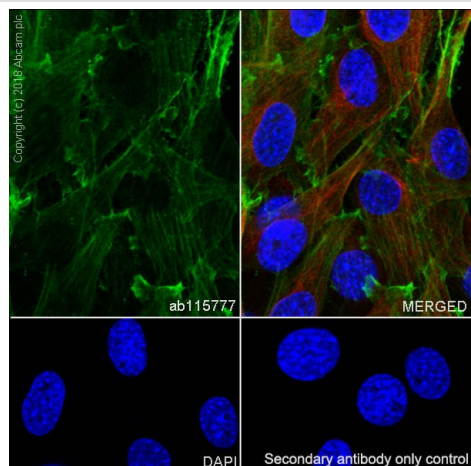
Flow Cytometry analysis of C6 (rat glial tumor glial cell) cells labeling beta Actin with purified ab115777 at 1/200 - Red. Cells were fixed with 4% paraformaldehyde . A Goat anti rabbit IgG (Alexa Fluor® 488, **ab150081**) was used as the secondary antibody. Isotype control - Rabbit monoclonal IgG (**ab172730**) - Black. Unlabeled control - Blue.

Flow Cytometry (Intracellular) - Anti-beta Actin antibody [SP124] - Cytoskeleton Marker (ab115777)



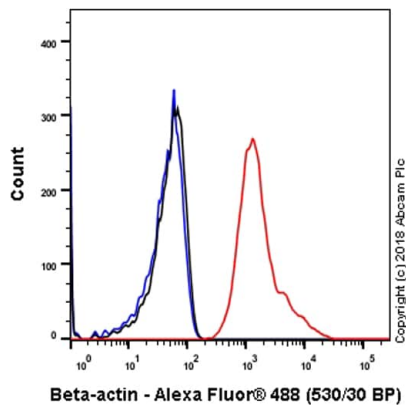
Staining of Human beta Actin in a Formalin/PFA-fixed paraffin-embedded section of Human Placenta using ab115777 at a dilution of 1/200.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-beta Actin antibody [SP124] - Cytoskeleton Marker (ab115777)



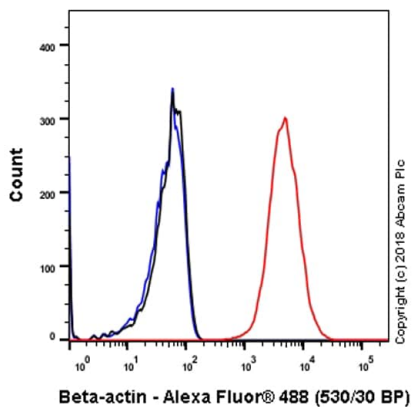
Immunocytochemistry/ Immunofluorescence analysis of NIH/3T3 (mouse embryonic fibroblast) cells labeling beta Actin with purified ab115777 at 1/50 dilution. Cells were fixed in 4% paraformaldehyde and permeabilized with 0.1% Triton X-100. Cells were counterstained with **ab195889** Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody. DAPI nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.

Immunocytochemistry/ Immunofluorescence - Anti-beta Actin antibody [SP124] - Cytoskeleton Marker (ab115777)



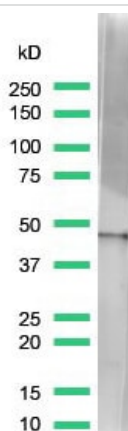
Flow Cytometry (Intracellular) - Anti-beta Actin antibody [SP124] - Cytoskeleton Marker (ab115777)

Flow Cytometry analysis of NIH/3T3 (mouse embryonic fibroblast) cells labeling beta Actin with purified ab115777 at 1/200 - Red. Cells were fixed with 4% paraformaldehyde. A Goat anti rabbit IgG (Alexa Fluor® 488, [ab150081](#)) was used secondary antibody. Isotype control - Rabbit monoclonal IgG ([ab172730](#)) - Black. Unlabeled control - Blue.



Flow Cytometry (Intracellular) - Anti-beta Actin antibody [SP124] - Cytoskeleton Marker (ab115777)

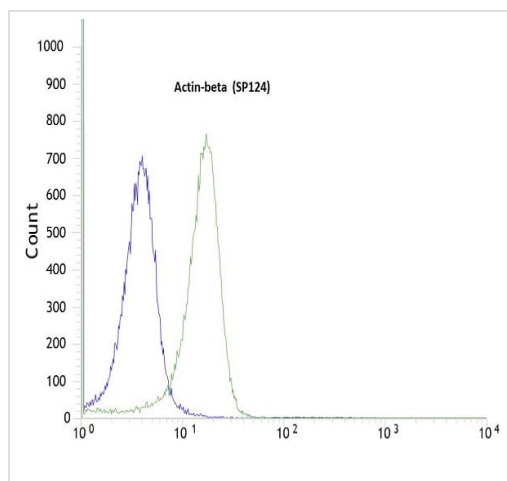
Intracellular Flow Cytometry analysis of HeLa (human cervix adenocarcinoma epithelial cell) cells labeling beta Actin with purified ab115777 at 1/200 - Red. Cells were fixed with 4% paraformaldehyde. A Goat anti rabbit IgG (Alexa Fluor® 488, [ab150081](#)) was used as the secondary antibody. Isotype control - Rabbit monoclonal IgG ([ab172730](#)) - Black. Unlabeled control - Blue.



Western blot - Anti-beta Actin antibody [SP124] - Cytoskeleton Marker (ab115777)

Anti-beta Actin antibody [SP124] - Cytoskeleton Marker (ab115777) at 1/200 dilution + Raji cell lysate

Predicted band size: 42 kDa



Flow cytometric analysis of rabbit anti-beta Actin (SP124) antibody ab115777 (1/200) in HeLa cells (green) compared to negative control of rabbit IgG (blue)

Flow Cytometry (Intracellular) - Anti-beta Actin antibody [SP124] - Cytoskeleton Marker (ab115777)

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-beta Actin antibody [SP124] - Cytoskeleton Marker (ab115777)

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