

Anti-Fyn antibody [FYN-01] ab1881

★★★★★ [4 Abreviews](#) [11 References](#) [画像数 5](#)

製品の概要

製品名	Anti-Fyn antibody [FYN-01]
製品の詳細	Mouse monoclonal [FYN-01] to Fyn
由来種	Mouse
特異性	The antibody reacts with p59fyn (Fyn), a non receptor protein tyrosine kinase (59 kDa), which belongs to the Src family of cytoplasmic tyrosine kinases.
アプリケーション	適用あり: ICC/IF, IP, Flow Cyt, WB
種交差性	交差種: Mouse, Human
免疫原	Recombinant fragment, corresponding to amino acids 7-176 of Human Fyn.
特記事項	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</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 or -80°C. Avoid freeze / thaw cycle.
バッファー	<p>pH: 7.40</p> <p>Preservative: 0.097% Sodium azide</p> <p>Constituent: PBS</p>
精製度	Protein A purified
特記事項 (精製)	Purified from hybridoma culture supernatant. Purity >95% by SDS-PAGE.
ポリ/モノ	モノクローナル
クローン名	FYN-01
アイソタイプ	IgG2b

アプリケーション

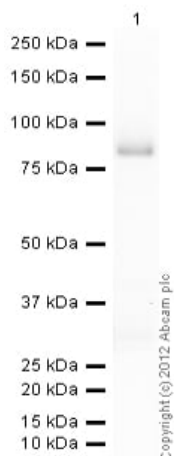
The Abpromise guarantee **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab1881の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
ICC/IF	★★★★★ (1)	Use a concentration of 5 µg/ml.
IP		Use at an assay dependent concentration.
Flow Cyt		Use 1µg for 10 ⁶ cells. ab170192 - Mouse monoclonal IgG2b, is suitable for use as an isotype control with this antibody.
WB	★★★★★ (1)	Use a concentration of 2 µg/ml. Predicted molecular weight: 59 kDa.

ターゲット情報

機能	Tyrosine-protein kinase implicated in the control of cell growth. Plays a role in the regulation of intracellular calcium levels, with isoform 2 showing the greater ability to mobilize cytoplasmic calcium in comparison to isoform 1. Required in brain development and mature brain function with important roles in the regulation of axon growth, axon guidance, and neurite extension. Blocks axon outgrowth and attraction induced by NTN1 by phosphorylating its receptor DDC. Phosphorylates RUNX3.
組織特異性	Isoform 1 is highly expressed in the brain. Isoform 2 is expressed in cells of hemopoietic lineages, especially T lymphocytes.
配列類似性	Belongs to the protein kinase superfamily. Tyr protein kinase family. SRC subfamily. Contains 1 protein kinase domain. Contains 1 SH2 domain. Contains 1 SH3 domain.
細胞内局在	Cell membrane. Present and active in lipid rafts. Present in cell body and along the process of mature and developing oligodendrocytes.
製品の状態	This protein is known to be similar in amino acid sequence to HCK (P08631), LCK (P06239), YES1 (P07947), SRC (P12931), and LYN (P07948). Therefore, cross-reactivity with these homologous proteins may be observed. We would be happy to provide immunogen alignment information upon request.

画像



Western blot - Anti-Fyn antibody [FYN-01] (ab1881)

Anti-Fyn antibody [FYN-01] (ab1881) at 1 µg/ml + Recombinant human Fyn protein ([ab84696](#)) at 0.01 µg

Secondary

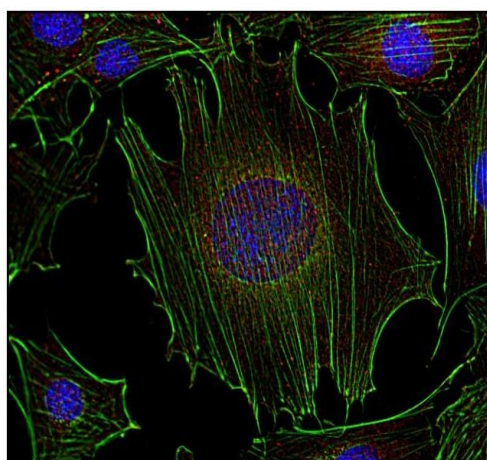
Goat Anti-Mouse IgG H&L (HRP) preadsorbed ([ab97040](#)) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 59 kDa

Exposure time: 10 seconds



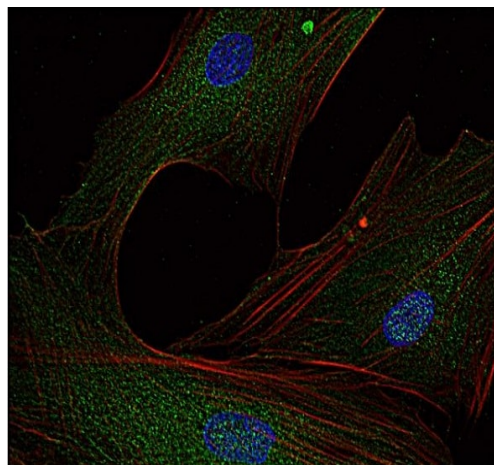
Immunocytochemistry/ Immunofluorescence - Anti-Fyn antibody [FYN-01] (ab1881)

Immunocytochemistry analysis of Fyn in murine transformed fibroblasts using ab1881 (red) at 5 µL. Actin cytoskeleton was decorated by phalloidin (green) and cell nuclei stained with DAPI (blue).

Flow Cytometry - Anti-Fyn antibody [FYN-01] (ab1881)

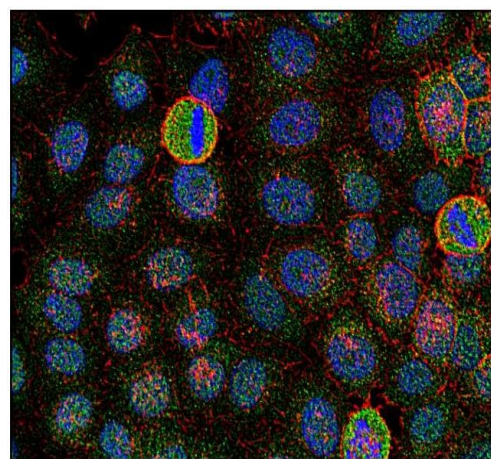
Overlay histogram showing Ramos cells stained with ab1881 (red line). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab1881, 1µg/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG

(H+L) (**ab96879**) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG2b [PLPV219] (**ab91366**, 2µg/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a positive signal in Ramos cells fixed with 80% methanol (5 min)/permeabilized with 0.1% PBS-Tween for 20 min used under the same conditions.



Immunocytochemistry/ Immunofluorescence - Anti-Fyn antibody [FYN-01] (ab1881)

Immunofluorescence analysis of human primary fibroblasts labelling Fyn with ab1881 at 5 µL. Actin cytoskeleton was stained with phalloidin (red) and cell nuclei were stained with DAPI (blue).



Immunocytochemistry/ Immunofluorescence - Anti-Fyn antibody [FYN-01] (ab1881)

Immunocytochemistry analysis of Fyn in human HeLa cell line using ab1881 (green) at 5 µL. Actin cytoskeleton was decorated by phalloidin (red) and cell nuclei stained with DAPI (blue).

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