abcam

Product datasheet

Anti-FKBP12 antibody [EP3887] - BSA and Azide free ab284778

KO 評価済 RabMAb

画像数 3

製品の概要

製品名	Anti-FKBP12 antibody [EP3887] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EP3887] to FKBP12 - BSA and Azide free
由来種	Rabbit
アプリケーション	**適用あり:** ICC/IF, WB **適用なし:** Flow Cyt,IHC-P or IP
種交差性	**交差種:** Human
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	WB: Fetal brain, HL-60, U937 and SH-SY5Y lysates; ICC: HeLa cells
特記事項	ab284778 is the carrier-free version of **ab108420** Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications. Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**. 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. 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

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	pH: 7.2 Constituent: 100% PBS
キャリア・フリー	はい
精製度	Tissue culture supernatant
ポリ/モノ	モノクローナル
クローン名	EP3887
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ab284778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。

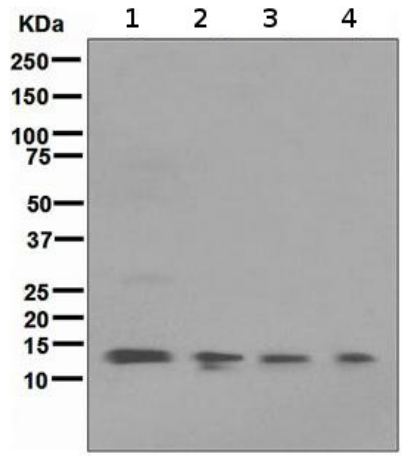
アプリケーション	Abreviews	特記事項
ICC/IF		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 12 kDa.

追加情報 Is unsuitable for Flow Cyt,IHC-P or IP.

ターゲット情報

機能	May play a role in modulation of ryanodine receptor isoform-1 (RYR-1), a component of the calcium release channel of skeletal muscle sarcoplasmic reticulum. There are four molecules of FKBP12 per skeletal muscle RYR. PPIases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides.
配列類似性	Belongs to the FKBP-type PPIase family. FKBP1 subfamily. Contains 1 PPIase FKBP-type domain.
細胞内局在	Cytoplasm.

画像



Western blot - Anti-FKBP12 antibody [EP3887] - BSA and Azide free (ab284778)

All lanes : Anti-FKBP12 antibody [EP3887] (**ab108420**) at 1/1000 dilution

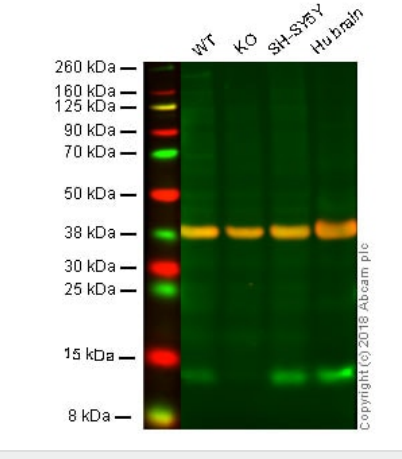
Lane 1 : Fetal brain lysate
Lane 2 : HL-60 (Human promyelocytic leukemia cell line) whole cell lysate
Lane 3 : U937 lysate
Lane 4 : SH-SY5Y lysate

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 12 kDa

This data was developed using **ab108420**, the same antibody clone in a different buffer formulation.



Western blot - Anti-FKBP12 antibody [EP3887] - BSA and Azide free (ab284778)

This data was developed using **ab108420**, the same antibody clone in a different buffer formulation.

Lane 1: Wild-type HAP1 whole cell lysate (20 µg)

Lane 2: FKBP12 knockout HAP1 whole cell lysate (20 µg)

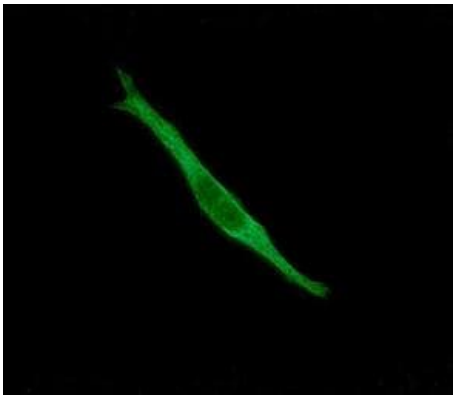
Lane 3: SH-SY5Y whole cell lysate (20 µg)

Lane 4: Human brain whole cell lysate (20 µg)

Lanes 1 - 4: Merged signal (red and green). Green - **ab108420** observed at 12 kDa. Red - loading control, **ab9484**, observed at 37 kDa.

ab108420 was shown to recognize FKBP12 in wild-type HAP1 cells as signal was lost at the expected MW in FKBP12 knockout cells. Additional cross-reactive bands were observed in the wild-type and knockout cells. Wild-type and FKBP12 knockout samples were subjected to SDS-PAGE. Ab108420 and **ab9484** (Mouse

anti-GAPDH loading control) were incubated overnight at 4°C at 1/1000 dilution and 1/20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed **ab216773** and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed **ab216776** secondary antibodies at 1/20000 dilution for 1 hour at room temperature before imaging.



Immunocytochemistry/ Immunofluorescence - Anti-FKBP12 antibody [EP3887] - BSA and Azide free (ab284778)

This data was developed using **ab108420**, the same antibody clone in a different buffer formulation.

Immunofluorescent staining of FKBP12 in HeLa cells using **ab108420** at 1/50 dilution.

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