abcam

Product datasheet

Human CX3CR1 knockout THP-1 cell lysate ab275510

画像数 2

製品の概要

製品名	Human CX3CR1 knockout THP-1 cell lysate
製品の概要	Knockout cell lysate achieved by CRISPR/Cas9.
Parental Cell Line	THP-1
Organism	Human
Mutation description	Knockout achieved by using CRISPR/Cas9, Homozygous: 1 bp deletion in exon 2
Passage number	<20
Knockout validation	Sanger Sequencing, Western Blot (WB)
Reconstitution notes	To use as WB control, resuspend the lyophilizate in 50 µL of LDS* Sample Buffer to have a final concentration of 2 mg/ml. For reducing conditions, we recommend a final concentration of 0.1 M DTT. **Usage of SDS sample buffer is not recommended with these lyophilized lysates.*
特記事項	**Lysate preparation:** Our lysates are made using RIPA buffer to which we add a protease inhibitor cocktail and phosphatase inhibitor cocktail (ratio: 300:100:10). *This means that the protein of interest is denatured.* If you require a native form of the protein please use the live cell version - found **here**. Please refer to our lysis protocol for further details on how our lysates are prepared. **User storage instructions:** Lyophilizate may be stored at 4°C. After reconstitution, store at -20°C for short-term storage or -80°C for long-term storage. Access thousands of knockout cell lysates, generated from commonly used cancer cell lines. **See here for more information on knockout cell lysates.** Abcam has not and does not intend to apply for the REACH Authorisation of customers' uses of products that contain European Authorisation list (Annex XIV) substances. It is the responsibility of our customers to check the necessity of application of REACH Authorisation, and any other relevant authorisations, for their intended uses. This product is subject to limited use licenses from The Broad Institute and ERS Genomics Limited, and is developed with patented technology. For full details of the limited use licenses and relevant patents please refer to our **limited use license** and **patent pages**.
アプリケーション	**適用あり:** WB

製品の特性

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保存方法 Store at -80°C. Please refer to protocols.

内容	1 kit
ab277328 - Human CX3CR1 knockout THP-1 cell lysate	1 x 100µg
ab277314 - Human wild-type THP-1 cell lysate	1 x 100µg

Cell type acute monocytic leukemia

Disease Acute Monocytic Leukemia

Gender Male

ターゲット情報

機能 Receptor for the CX3C chemokine fractalkine and mediates both its adhesive and migratory functions. Acts as coreceptor with CD4 for HIV-1 virus envelope protein (in vitro). Isoform 2 and isoform 3 seem to be more potent HIV-1 coreceptors than isoform 1.

組織特異性 Expressed in lymphoid and neural tissues.

配列類似性 Belongs to the G-protein coupled receptor 1 family.

細胞内局在 Cell membrane.

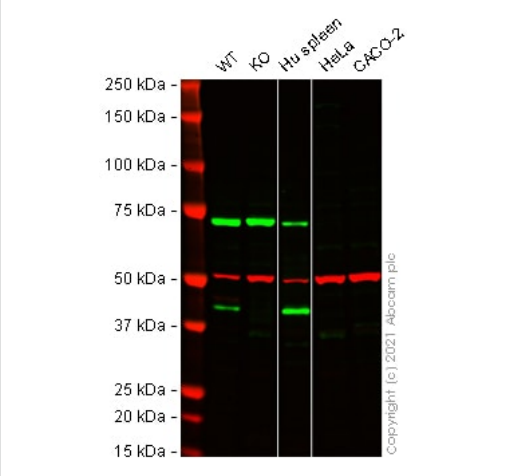
アプリケーション

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ab275510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
WB		Use at an assay dependent concentration. Predicted molecular weight: 40 kDa.

画像



Western blot - Human CX3CR1 knockout THP-1 cell lysate (ab275510)

Lane 1: Wild-type THP-1 cell lysate 20 µg

Lane 2: CX3CR1 knockout THP-1 cell lysate 20 µg

Lane 3: Human Spleen cell lysate 20 µg

Lane 4: HeLa cell lysate 20 µg

Lane 5: Caco-2 cell lysate 20 µg

False colour image of Western blot: Anti-CX3CR1 antibody staining at 1 µg/ml, shown in green; Mouse anti-Alpha Tubulin [DM1A] (**ab7291**) loading control staining at 1/20000 dilution, shown in red. In Western blot, **ab8020** was shown to bind specifically to CX3CR1. A band was observed at 42 kDa in wild-type THP-1 cell lysates with no signal observed at this size in CX3CR1 knockout cell line **ab273713** (knockout cell lysate ab275510). To generate this image, wild-type and CX3CR1 knockout THP-1 cell lysates were analysed. First, samples were run on an SDS-PAGE gel then transferred onto a nitrocellulose membrane. Membranes were blocked in 5 % milk in TBS-0.1 % Tween® 20 (TBS-T) before incubation with primary antibodies overnight at 4 °C. Blots were washed four times in TBS-T, incubated with secondary antibodies for 1 h at room temperature, washed again four times then imaged. Secondary antibodies used were Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed (**ab216776**) at 1/20000 dilution.

Sanger Sequencing - Human CX3CR1 knockout THP-1 cell lysate (ab275510)

Allele-1: 1 bp deletion in exon 2

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