abcam

Product datasheet

Anti-FER antibody [EP1842Y] ab52479

KO 評価済 リコンビナント RabMAb

4 References 画像数 3

製品の概要

製品名	Anti-FER antibody [EP1842Y]
製品の詳細	Rabbit monoclonal [EP1842Y] to FER
由来種	Rabbit
アプリケーション	**適用あり:** WB **適用なし:** ICC/IF,IHC-P or IP
種交差性	**交差種:** Mouse, Rat, Human
免疫原	Synthetic peptide within Human FER (N terminal). The exact sequence is proprietary.
ポジティブ・コントロール	WB: HeLa, Jurkat, PC-12, and NIH/3T3 whole cell lysates.
特記事項	This product has switched from a hybridoma to recombinant production method on 4th September 2023. This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

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: 7.20 Preservative: 0.01% Sodium azide Constituents: 0.05% BSA, 40% Glycerol (glycerin, glycerine), 59% PBS
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EP1842Y

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ab52479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		1/1000. Detects a band of approximately 93 kDa (predicted molecular weight: 93 kDa).

追加情報 Is unsuitable for ICC/IF,IHC-P or IP.

ターゲット情報

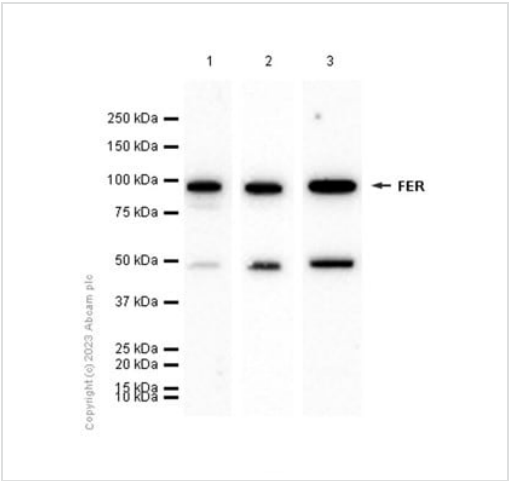
機能 Tyrosine kinase of the non-receptor type. Probably performs an important function, perhaps in regulatory processes such as cell cycle control.

組織特異性 Expressed in a variety of lymphoid cell lines.

配列類似性 Belongs to the protein kinase superfamily. Tyr protein kinase family. Fes/fps subfamily.
Contains 1 FCH domain.
Contains 1 protein kinase domain.
Contains 1 SH2 domain.

細胞内局在 Cytoplasm. Nucleus. Associated with the chromatin.

画像



Western blot - Anti-FER antibody [EP1842Y] (ab52479)

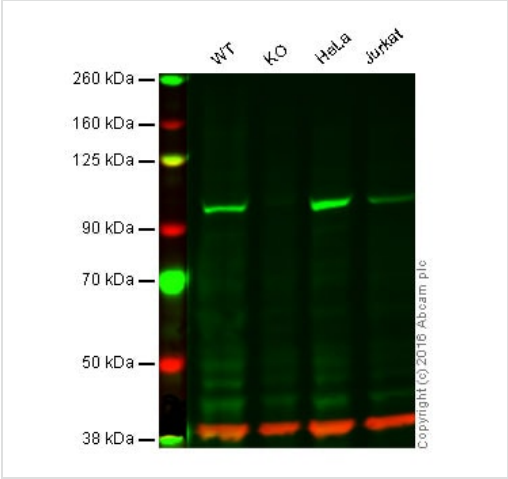
All lanes : Anti-FER antibody [EP1842Y] (ab52479) at 1/1000 dilution

Lane 1 : HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate
Lane 2 : NIH/3T3 (Mouse embryonic fibroblast) whole cell lysate
Lane 3 : PC-12 (Rat adrenal gland pheochromocytoma) whole cell lysate

Lysates/proteins at 15 µg per lane.

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

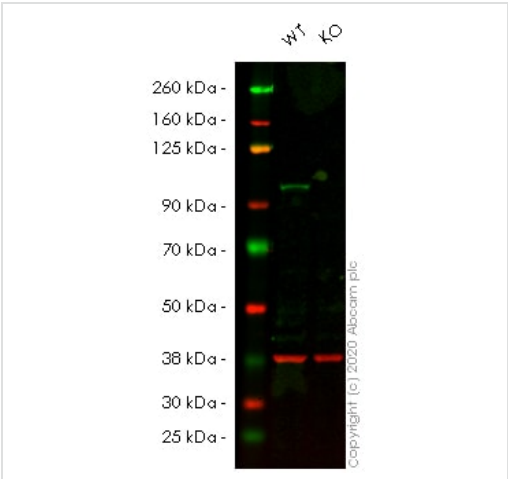
Predicted band size: 93 kDa
Observed band size: 93 kDa



Western blot - Anti-FER antibody [EP1842Y] (ab52479)

Lane 1: Wild-type HAP1 cell lysate (40 µg)
Lane 2: FER knockout HAP1 cell lysate (40 µg)
Lane 3: HeLa cell lysate (20 µg)
Lane 4: Jurkat cell lysate (20 µg)
Lanes 1 - 4: Merged signal (red and green). Green - ab52479 observed at 100 kDa. Red - loading control, **ab8245**, observed at 37 kDa.

ab52479 was shown to specifically react with FER when FER knockout samples were used. Wild-type and FER knockout samples were subjected to SDS-PAGE. Ab52479 and **ab8245** (loading control to GAPDH) were diluted at 1/5000 and 1:10,000 dilution respectively and incubated overnight at 4C. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed (**ab216776**) secondary antibodies at 1:10,000 dilution for 1 hour at room temperature before imaging.



Western blot - Anti-FER antibody [EP1842Y] (ab52479)

All lanes : Anti-FER antibody [EP1842Y] (ab52479) at 1/1000 dilution

Lane 1 : Wild-type HeLa cell lysate
Lane 2 : FER knockout HeLa cell lysate

Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

Predicted band size: 93 kDa
Observed band size: 100 kDa

Lanes 1 - 2: Merged signal (red and green). Green - ab52479 observed at 100 kDa. Red - loading control **ab8245** (Mouse anti-GAPDH antibody [6C5]) observed at 37 kDa.

ab52479 was shown to react with FER in wild-type HeLa cells in Western blot with loss of signal observed in FER knockout cell line **ab265226** (FER knockout cell lysate **ab257950**). Wild-type and FER knockout HeLa cell lysates were subjected to SDS-PAGE. Membranes were blocked in 3 % milk in TBS-T (0.1 % Tween®) before incubation with ab52479 and **ab8245** (Mouse anti-GAPDH antibody [6C5]) overnight at 4 °C at a 1 in 1000 dilution and a 1 in

20000 dilution respectively. Blots were incubated 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 in 20000 dilution for 1 h at room temperature before imaging.

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