abcam

Product datasheet

Anti-FER antibody [EP1842Y] ab52479

敲除验证 重组 RabMAb

4 References 3 图像

概述

产品名称	Anti-FER抗体[EP1842Y]
描述	兔单克隆抗体[EP1842Y] to FER
宿主	Rabbit
经测试应用	**适用于:** WB **不适用于:** ICC/IF,IHC-P or IP
种属反应性	**与反应:** Mouse, Rat, Human
免疫原	Synthetic peptide within Human FER (N terminal). The exact sequence is proprietary.
阳性对照	WB: HeLa, Jurkat, PC-12, and NIH/3T3 whole cell lysates.
常规说明	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**.

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 0.05% BSA, 40% Glycerol (glycerin, glycerine), 59% PBS
纯度	Protein A purified
克隆	单克隆
克隆编号	EP1842Y

同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab52479于以下的经测试应用**

"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

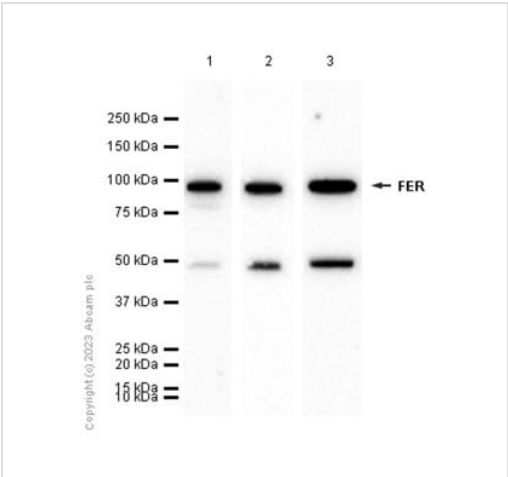
应用	Ab评论	说明
WB		1/1000. Detects a band of approximately 93 kDa (predicted molecular weight: 93 kDa).

应用说明	Is unsuitable for ICC/IF,IHC-P or IP.

靶标

功能	Tyrosine kinase of the non-receptor type. Probably performs an important function, perhaps in regulatory processes such as cell cycle control.
组织特异性	Expressed in a variety of lymphoid cell lines.
序列相似性	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.
细胞定位	Cytoplasm. Nucleus. Associated with the chromatin.

图片



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

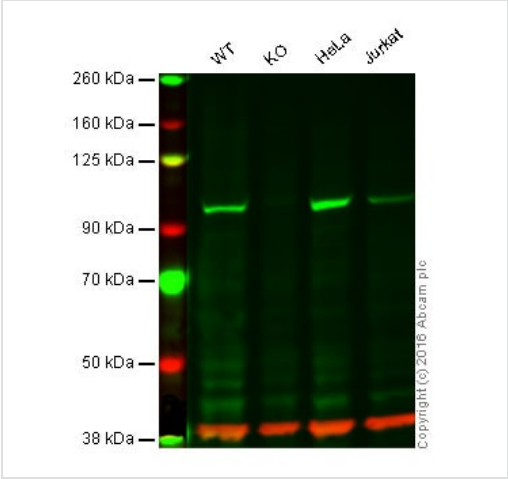
All lanes : Anti-FER antibody [EP1842Y] (ab52479) at 1/1000 dilution

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

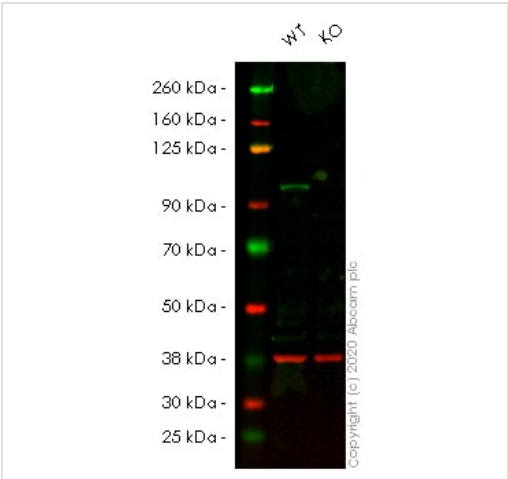
Predicted band size: 93 kDa
Observed band size: 93 kDa



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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