

Anti-FZR1 antibody [AR38.2] ab77885

敲除 验证

2 References **1 图像**

概述

产品名称	Anti-FZR1抗体[AR38.2]
描述	小鼠单克隆抗体[AR38.2] to FZR1
宿主	Mouse
经测试应用	适用于: WB
种属反应性	与反应: Human
免疫原	Recombinant full length protein corresponding to FZR1. Database link: Q9UM11
阳性对照	WB: HEK293, HeLa and A431 cell lysates.
常规说明	<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>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: 0.02% Sodium azide Constituent: 99.98% PBS
纯度	Protein A/G purified
克隆	单克隆
克隆编号	AR38.2
骨髓瘤	Sp2/0-Ag14
同种型	IgG1

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab77885于以下的经测试应用

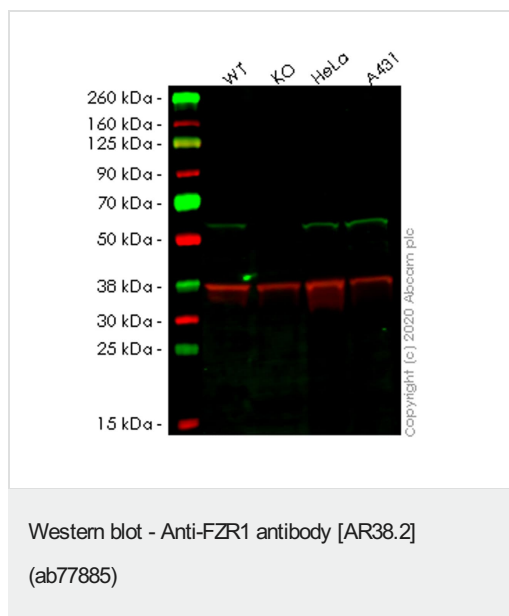
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/500. Predicted molecular weight: 55 kDa.

靶标

功能	Key regulator of ligase activity of the anaphase promoting complex/cyclosome (APC/C), which confers substrate specificity upon the complex. Associates with the APC/C in late mitosis, in replacement of CDC20, and activates the APC/C during anaphase and telophase. The APC/C remains active in degrading substrates to ensure that positive regulators of the cell cycle do not accumulate prematurely. At the G1/S transition FZR1 is phosphorylated, leading to its dissociation from the APC/C. Following DNA damage, it is required for the G2 DNA damage checkpoint: its dephosphorylation and reassociation with the APC/C leads to the ubiquitination of PLK1, preventing entry into mitosis.
组织特异性	Isoform 2 is expressed at high levels in heart, liver, spleen and some cancer cell lines whereas isoform 3 is expressed only at low levels in these tissues.
通路	Protein modification; protein ubiquitination.
序列相似性	Belongs to the WD repeat CDC20/Fizzy family. Contains 7 WD repeats.
翻译后修饰	Phosphorylated during mitosis, probably by maturation promoting factor (MPF), leading to its dissociation of the APC/C. Following DNA damage, it is dephosphorylated by CDC14B in G2 phase, leading to its reassociation with the APC/C, and allowing an efficient G2 DNA damage checkpoint.
细胞定位	Cytoplasm and Nucleus.

图片



All lanes : Anti-FZR1 antibody [AR38.2] (ab77885) at 1/500 dilution

Lane 1 : Wild-type HEK-293T (Human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate

Lane 2 : FZR1 knockout HEK-293T (Human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate

Lane 3 : HeLa (Human epithelial cell line from cervix adenocarcinoma) whole cell lysate

Lane 4 : A431 (Human epidermoid carcinoma cell line) whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (IRDye® 680RD) preadsorbed ([ab216777](#)) at 1/10000 dilution

Predicted band size: 55 kDa

Observed band size: 55 kDa

Lanes 1-4: Merged signal (red and green). Green - ab77885 observed at 55 kDa. Red - loading control [ab181602](#) observed at 36 kDa.

ab77885 Anti-FZR1 antibody [AR38.2] was shown to specifically react with FZR1 in wild-type HEK-293T cells. Loss of signal was observed when knockout cell line [ab267263](#) (knockout cell lysate [ab263208](#)) was used. Wild-type and FZR1 knockout samples were subjected to SDS-PAGE. ab77885 and Anti-GAPDH antibody[EPR16891] - Loading Control ([ab181602](#)) were incubated overnight at 4°C at 1 in 500 dilution and 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 680RD) preadsorbed ([ab216777](#)) and Goat anti-Mouse IgG H&L (IRDye® 800CW) preadsorbed ([ab216772](#)) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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