

Anti-DR5 antibody [EPR19310] - BSA and Azide free ab251269

敲除验证
重组
RabMAb

3 图像

概述

产品名称	Anti-DR5抗体[EPR19310] - BSA and Azide free
描述	兔单克隆抗体[EPR19310] to DR5 - BSA and Azide free
宿主	Rabbit
经测试应用	适用于: Flow Cyt (Intra), WB, IP, ICC/IF
种属反应性	与反应: Human
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: HeLa and HAP1 cell lysates.
常规说明	<p>ab251269 is the carrier-free version of ab199357.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C. Do Not Freeze.
存储溶液	pH: 7.2 Constituent: PBS
无载体	是
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR19310
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab251269于以下的经测试应用

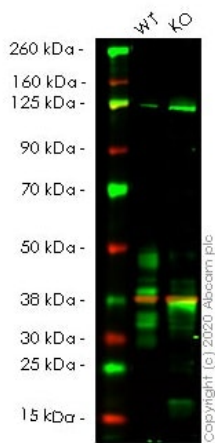
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt (Intra)		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Detects a band of approximately 48, 40 kDa (predicted molecular weight: 48 kDa).
IP		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.

靶标

功能	Receptor for the cytotoxic ligand TNFSF10/TRAIL. The adapter molecule FADD recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis. Promotes the activation of NF-kappa-B. Essential for ER stress-induced apoptosis.
组织特异性	Widely expressed in adult and fetal tissues; very highly expressed in tumor cell lines such as HeLaS3, K-562, HL-60, SW480, A-549 and G-361; highly expressed in heart, peripheral blood lymphocytes, liver, pancreas, spleen, thymus, prostate, ovary, uterus, placenta, testis, esophagus, stomach and throughout the intestinal tract; not detectable in brain.
疾病相关	Squamous cell carcinoma of the head and neck
序列相似性	Contains 1 death domain. Contains 3 TNFR-Cys repeats.
细胞定位	Membrane.

图片



Western blot - Anti-DR5 antibody [EPR19310] - BSA and Azide free (ab251269)

All lanes : Anti-DR5 antibody [EPR19310] ([ab199357](#)) at 1/1000 dilution

Lane 1 : Wild-type HeLa cell lysate

Lane 2 : DR5 knockout HeLa cell lysate

Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

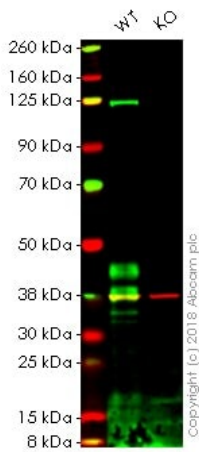
Predicted band size: 48 kDa

Observed band size: 47 kDa

This data was developed using the same antibody clone in a different buffer formulation ([ab199357](#)).

Lanes 1-2: Merged signal (red and green). Green - [ab199357](#) observed at 47 kDa. Red - Anti-GAPDH antibody [6C5] - Loading Control ([ab8245](#)) observed at 37 kDa.

[ab199357](#) was shown to react with DR5 in wild-type HeLa cells in western blot. Loss of signal was observed when knockout cell line [ab264922](#) (knockout cell lysate [ab257748](#)) was used. Wild-type HeLa and DR5 knockout HeLa cell lysates were subjected to SDS-PAGE. Membrane was blocked for 1 hour at room temperature in 0.1% TBST with 3% non-fat dried milk. [ab199357](#) and Anti-GAPDH antibody [6C5] - Loading Control ([ab8245](#)) overnight at 4°C at a 1 in 1000 dilution and a 1 in 20000 dilution respectively. 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 in 20000 dilution for 1 hour at room temperature before imaging.



Western blot - Anti-DR5 antibody [EPR19310] - BSA and Azide free (ab251269)

All lanes : Anti-DR5 antibody [EPR19310] ([ab199357](#)) at 1/1000 dilution

Lane 1 : Wild-type HAP1 whole cell lysate

Lane 2 : TNFRSF10B knockout HAP1 whole cell lysate

Lysates/proteins at 20 µg per lane.

Predicted band size: 48 kDa

Observed band size: 47 kDa

This data was developed using the same antibody clone in a different buffer formulation ([ab199357](#)).

Lanes 1 - 2: Merged signal (red and green). Green - [ab199357](#) observed at 47 kDa. Red - loading control, [ab9484](#), observed at 37 kDa.

[ab199357](#) was shown to recognize DR5 in wild-type HAP1 cells as signal was lost at the expected MW in TNFRSF10B knockout cells. Additional cross-reactive bands were observed in the wild-type and knockout cells. Wild-type and TNFRSF10B knockout samples were subjected to SDS-PAGE. Ab199357 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.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

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

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