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Product datasheet

Anti-RBPMS antibody ab194213

★★★★★ 1 Abreviews   25 References   2 图像

概述

产品名称	Anti-RBPMS抗体
描述	兔多克隆抗体to RBPMS
宿主	Rabbit
经测试应用	适用于: WB
种属反应性	与反应: Rat, Human
	预测可用于: Pig
免疫原	Synthetic peptide within Rat RBPMS (N terminal) conjugated to Keyhole Limpet Haemocyanin (KLH). The exact sequence is proprietary.
阳性对照	WB: Wild-type HeLa, RT-4 and Rat heart cell lysate.
常规说明	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.
	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

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性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.03% Sodium azide Constituent: 99% PBS
纯度	Protein A purified
克隆	多克隆
同种型	IgG

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. Predicted molecular weight: 22 kDa.

靶标

功能	Acts as a coactivator of transcriptional activity. Required to increase TGFB1/Smad-mediated transactivation. Acts through SMAD2, SMAD3 and SMAD4 to increase transcriptional activity. Increases phosphorylation of SMAD2 and SMAD3 on their C-terminal SSXS motif, possibly through recruitment of TGFBR1. Promotes the nuclear accumulation of SMAD2, SMAD3 and SMAD4 proteins. Binds to poly(A) RNA.
组织特异性	Ubiquitously expressed, at various levels depending on the isoform and the tissue.
序列相似性	Contains 1 RRM (RNA recognition motif) domain.
结构域	The RRM domain is necessary for interaction with SMAD4. Both the RRM domain and the C-terminus are required for TGFB1/Smad-mediated transactivation activity.
细胞定位	Nucleus. Cytoplasm.

图片

Western blot - Anti-RBPMS antibody (ab194213)
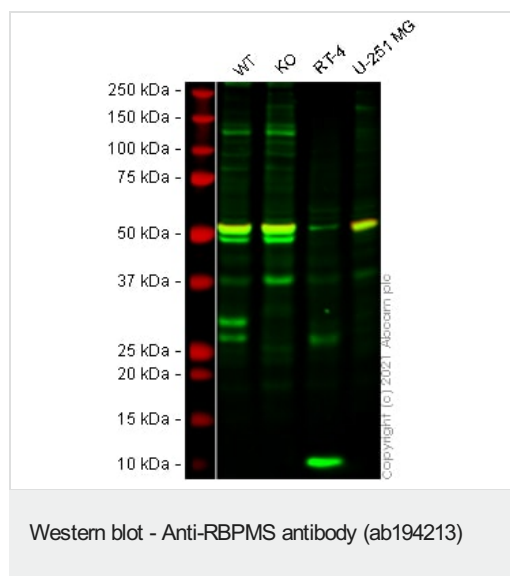
All lanes : Anti-RBPMS antibody (ab194213) at 1/1000 dilution

Lane 1 : Wild-type HeLa cell lysate

Lane 2 : RBPMS Knockout HeLa cell lysate

Lane 3 : RT-4 cell lysate

Lane 4 : U-251 MG cell lysate

Lysates/proteins at 20 μg per lane.

Performed under reducing conditions.

Predicted band size: 22 kDa
Observed band size: 30 kDa

Lanes 1 - 4: Merged signal (red and green). Green - ab194213 observed at 30 kDa. Red - loading control, **ab7291** (Mouse anti-Alpha Tubulin [DM1A]) observed at 55 kDa.

ab194213 was shown to react with RBPMS in wild-type HeLa cells in western blot. Here no band was observed in the RBPMS

knockout cell line **ab264697** (RBPMS knockout cell lysate **ab258631**), but other antibodies have shown bands in this lysate below 30 kDa that may represent truncated forms and cleaved fragments. This has not been investigated further. HeLa wild-type and RBPMS knockout cell lysates were subjected to SDS-PAGE. Membranes were blocked in 3 % milk in TBS-T (0.1 % Tween$^{®}$) before incubation with ab194213 and **ab7291** (Mouse anti-Alpha Tubulin [DM1A]) 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.

Western blot - Anti-RBPMS antibody (ab194213)
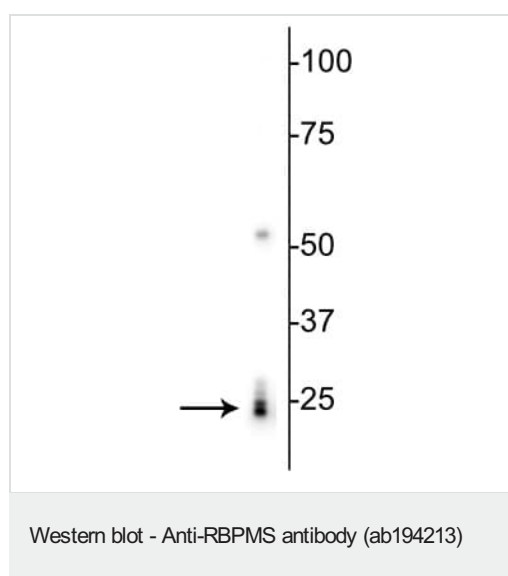
Anti-RBPMS antibody (ab194213) at 1/1000 dilution + Rat heart lysate

Predicted band size: 22 kDa

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