

Product datasheet

Anti-KSR1 antibody ab98204

2 图像

概述

产品名称	Anti-KSR1抗体
描述	兔多克隆抗体to KSR1
宿主	Rabbit
经测试应用	适用于: WB
种属反应性	与反应: Mouse 预测可用于: Dog, Human 
免疫原	Synthetic peptide conjugated to KLH derived from within residues 500 - 600 of Human KSR1. 参阅Abcam的专有抗源政策
阳性对照	This antibody gave a positive signal in Mouse brain tissue lysate.

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 or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.02% Sodium Azide Constituents: 1% BSA, PBS, pH 7.4
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab98204** in the following tested applications.

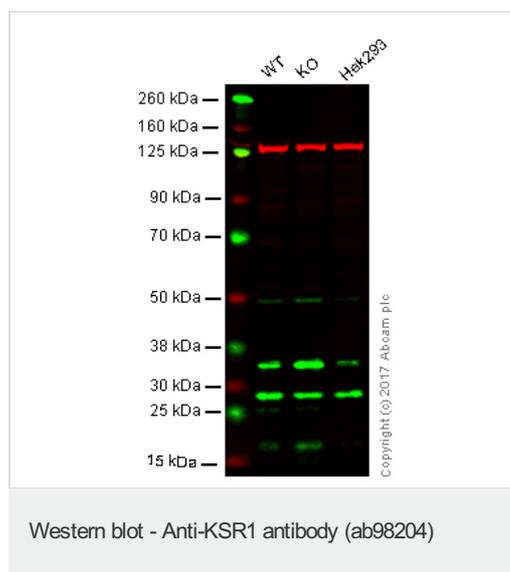
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 105 kDa (predicted molecular weight: 97 kDa).

靶标

功能	Location-regulated scaffolding protein connecting MEK to RAF. Promotes MEK and RAF phosphorylation and activity through assembly of an activated signaling complex. By itself, it has no demonstrated kinase activity.
序列相似性	Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. Contains 1 phorbol-ester/DAG-type zinc finger. Contains 1 protein kinase domain.
翻译后修饰	Phosphorylated on Ser-309 and, to a higher extent, on Ser-404 by MARK3. Dephosphorylated on Ser-404 by PPP2CA. In resting cells, phosphorylated KSR1 is cytoplasmic and in stimulated cells, dephosphorylated KSR1 is membrane-associated.
细胞定位	Cytoplasm. Membrane. In unstimulated cells, where the phosphorylated form is bound to a 14-3-3 protein, sequestration in the cytoplasm occurs. Following growth factor treatment, the protein is free for membrane translocation, and it moves from the cytoplasm to the cell periphery.

图片



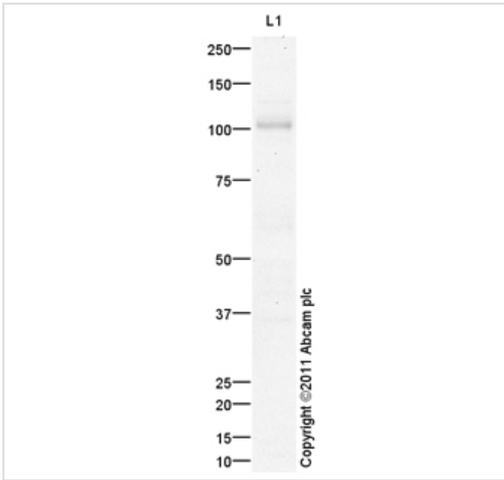
Lane 1: Wild type HAP1 whole cell lysate (40 µg)

Lane 2: KSR1 knockout HAP1 whole cell lysate (40 µg)

Lane 3: Hek293 whole cell lysate (40 µg)

Lanes 1 - 3: Merged signal (red and green).
Green - ab98204 observed at 97 kDa. Red - loading control, ab18058, observed at 130 kDa.

ab98204 was shown not to specifically react with KSR1 when KSR1 knockout samples were used. Wild-type and KSR1 knockout samples were subjected to SDS-PAGE. Ab98204 and ab18058 (Mouse anti Vinculin loading control) were incubated overnight at 4°C at 2 µg/mL and 1/10000 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 1/10000 dilution for 1 hour at room temperature before imaging.



Western blot - Anti-KSR1 antibody (ab98204)

Anti-KSR1 antibody (ab98204) at 1 µg/ml +
Brain (Mouse) Tissue Lysate at 10 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) preadsorbed
(ab97080) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 97 kDa

Observed band size: 105 kDa

Exposure time: 8 minutes

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