


Anti-Retinoid X Receptor alpha/RXRA antibody ab227273

3 图像

概述

产品名称	Anti-Retinoid X Receptor alpha/RXRA抗体
描述	兔多克隆抗体to Retinoid X Receptor alpha/RXRA
宿主	Rabbit
经测试应用	适用于: WB, IP
种属反应性	与反应: Rat, Human 预测可用于: Mouse, Cow 
免疫原	Recombinant fragment within Human Retinoid X Receptor alpha/RXRA (internal sequence). The exact sequence is proprietary. Database link: P19793
阳性对照	WB: Rat liver tissue lysate; HepG2 whole cell lysate. IP: MCF7 whole cell extract.
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. 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	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 78.99% PBS, 1% BSA, 20% Glycerol (glycerin, glycerine)
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee

Abpromise™ 承诺保证使用ab227273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 - 1/10000. Predicted molecular weight: 51 kDa.
IP		1/100 - 1/500.

靶标

功能

Receptor for retinoic acid. Retinoic acid receptors bind as heterodimers to their target response elements in response to their ligands, all-trans or 9-cis retinoic acid, and regulate gene expression in various biological processes. The RAR/RXR heterodimers bind to the retinoic acid response elements (RARE) composed of tandem 5'-AGGTCA-3' sites known as DR1-DR5. The high affinity ligand for RXRs is 9-cis retinoic acid. RXRA serves as a common heterodimeric partner for a number of nuclear receptors. The RXR/RAR heterodimers bind to the retinoic acid response elements (RARE) composed of tandem 5'-AGGTCA-3' sites known as DR1-DR5. In the absence of ligand, the RXR-RAR heterodimers associate with a multiprotein complex containing transcription corepressors that induce histone acetylation, chromatin condensation and transcriptional suppression. On ligand binding, the corepressors dissociate from the receptors and associate with the coactivators leading to transcriptional activation. The RXRA/PPARA heterodimer is required for PPARA transcriptional activity on fatty acid oxidation genes such as ACOX1 and the P450 system genes.

组织特异性

Highly expressed in liver, also found in lung, kidney and heart.

序列相似性

Belongs to the nuclear hormone receptor family. NR2 subfamily.
Contains 1 nuclear receptor DNA-binding domain.

结构域

Composed of three domains: a modulating N-terminal domain (AF1 domain), a DNA-binding domain and a C-terminal ligand-binding domain (AF2 domain).

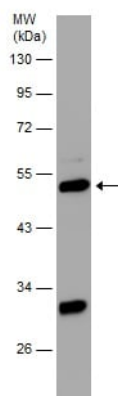
翻译后修饰

Phosphorylated on serine and threonine residues mainly in the N-terminal modulating domain. Constitutively phosphorylated on Ser-21 in the presence or absence of ligand. Under stress conditions, hyperphosphorylated by activated JNK on Ser-56, Ser-70, Thr-82 and Ser-260 (By similarity). Phosphorylated on Ser-27, in vitro, by PKA. This phosphorylation is required for repression of cAMP-mediated transcriptional activity of RARA.
Sumoylation negatively regulates transcriptional activity. Desumoylated specifically by SENP6.

细胞定位

Nucleus.

图片



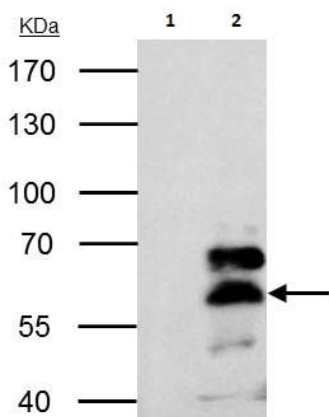
Western blot - Anti-Retinoid X Receptor alpha/RXRA antibody (ab227273)

Anti-Retinoid X Receptor alpha/RXRA antibody (ab227273) at 1/500 dilution + Rat liver tissue lysate at 30 µg

Developed using the ECL technique.

Predicted band size: 51 kDa

10% SDS-PAGE

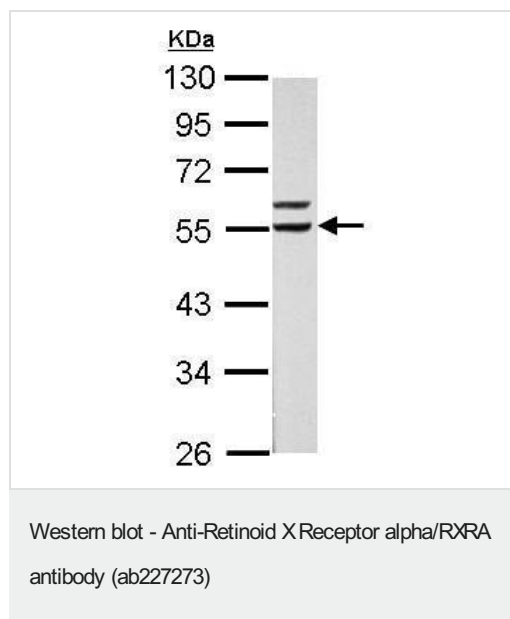


Immunoprecipitation - Anti-Retinoid X Receptor alpha/RXRA antibody (ab227273)

Retinoid X Receptor alpha/RXRA was immunoprecipitated from MCF7 (human breast adenocarcinoma cell line) whole cell extract with 4 µg ab227273. Western blot was performed from the immunoprecipitate using ab227273 at 1/500 dilution.

Lane 1: Control IgG IP in MCF7 whole cell extract.

Lane 2: ab227273 IP in MCF7 whole cell extract.



Anti-Retinoid X Receptor alpha/RXRA antibody (ab227273) at 1/5000 dilution + HepG2 (human liver hepatocellular carcinoma cell line) whole cell lysate at 30 µg

Developed using the ECL technique.

Predicted band size: 51 kDa

10% SDS-PAGE

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