abcam

Product datasheet

Anti-Retinoid X Receptor alpha/RXRA antibody ab24363

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概述

产品名称	Anti-Retinoid X Receptor alpha/RXRA抗体
描述	**山羊多克隆抗体**to Retinoid X Receptor alpha/RXRA
宿主	Goat
特异性	This does not cross-react with either RXR beta or gamma.
经测试应用	**适用于:** Flow Cyt (Intra), WB, ICC
种属反应性	**与反应:** Human **预测可用于:** Mouse, Rat
免疫原	Synthetic peptide corresponding to Human Retinoid X Receptor alpha/RXRA aa 14-28 (N terminal). Sequence: (C)QVNSSLTSPTGRGSM Run BLAST with Run BLAST with
阳性对照	Flow Cyt (Intra): MCF7 cells.
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

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: Tris buffered saline, 0.5% BSA
纯度	Immunogen affinity purified
纯化说明	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity

chromatography using the immunizing peptide.

克隆	**多克隆**
同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab24363于以下的经测试应用**

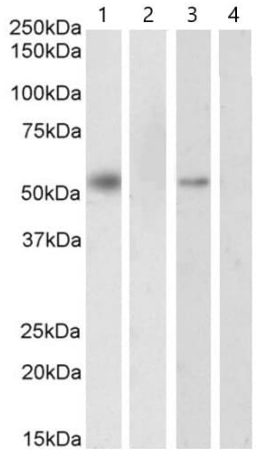
"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt (Intra)		Use a concentration of 10 µg/ml.
WB	★☆☆☆☆ (1)	Use a concentration of 0.3 - 1 µg/ml. Detects a band of approximately 60 kDa (predicted molecular weight: 51 kDa). 1 hour primary incubation is recommended for this product.
ICC		Use a concentration of 10 µg/ml.

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. Constiutively 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 (ab24363)

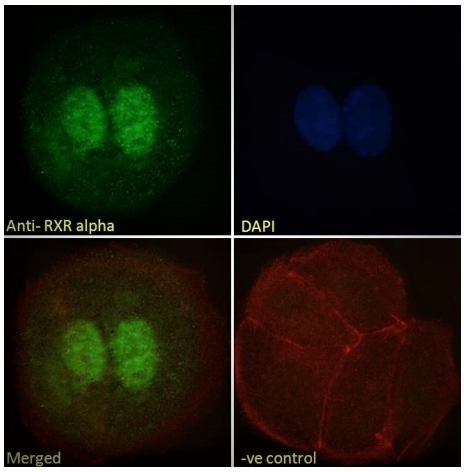
All lanes : Anti-Retinoid X Receptor alpha/RXRA antibody (ab24363) at 0.3 µg/ml

Lane 1 : HeLa nuclear lysate (in RIPA buffer)
Lane 2 : HeLa nuclear lysate (in RIPA buffer) with peptide
Lane 3 : K562 nuclear lysate (in RIPA buffer)
Lane 4 : K562 nuclear lysate (in RIPA buffer) with peptide

Lysates/proteins at 35 µg per lane.

Predicted band size: 51 kDa
Observed band size: 55-60 kDa

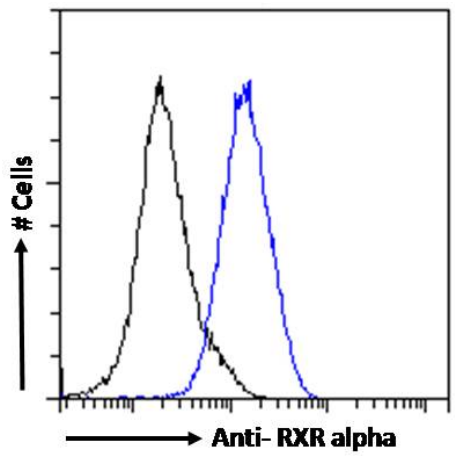
Primary incubation was 1 hour. Detected by chemiluminescence.



Immunocytochemistry - Anti-Retinoid X Receptor alpha/RXRA antibody (ab24363)

Immunocytochemistry analysis of MCF7 cells labelling Retinoid X Receptor alpha/RXRA with ab24363 at 10 µg/mL showing strong nuclear staining. Cells were fixed with paraformaldehyde and permeabilized with 0.15% Triton. Primary incubation for 1 hour. Alexa Fluor® 488 secondary antibody at 2 µg/mL (green). Actin filaments were stained with phalloidin (red). Nuclear DNA was labelled with DAPI (blue).

Negative control: Unimmunized goat IgG (10 µg/mL) followed by Alexa Fluor® 488 secondary antibody (2 µg/mL).



Flow Cytometry (Intracellular) - Anti-Retinoid X Receptor alpha/RXRA antibody (ab24363)

Flow cytometric analysis of paraformaldehyde fixed MCF7 cells (blue line) labelling Retinoid X Receptor alpha/RXRA with ab24363. Cells permeabilized with 0.5% Triton. Primary incubation 1 hour (10 µg/mL) followed by Alexa Fluor® 488 secondary antibody (1 µg/mL). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor® 488 secondary antibody.

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