


Anti-FOXA2 antibody ab5074

[1 Abreviews](#) [11 References](#) [2 图像](#)

概述

产品名称	Anti-FOXA2抗体
描述	山羊多克隆抗体to FOXA2
宿主	Goat
特异性	This antibody is expected to recognise both reported isoforms.
经测试应用	适用于: WB
种属反应性	与反应: Rat, Human 预测可用于: Chicken, Xenopus laevis 
免疫原	Synthetic peptide: GVYSRPIMNSS, corresponding to amino acids 447-457 of Human FOXA 2. Run BLAST with ExPASy Run BLAST with NCBI
阳性对照	WB: Rat lung and human liver tissue lysates.
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. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated 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

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab5074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		Use a concentration of 1 - 3 µg/ml. Detects a band of approximately 60 kDa (predicted molecular weight: 48 kDa). A 1 hour primary incubation is recommended for this product. A nuclear extraction procedure may be required to concentrate the protein in samples.

靶标

功能

Transcription factor that is involved in embryonic development, establishment of tissue-specific gene expression and regulation of gene expression in differentiated tissues. Is thought to act as a 'pioneer' factor opening the compacted chromatin for other proteins through interactions with nucleosomal core histones and thereby replacing linker histones at target enhancer and/or promoter sites. Binds DNA with the consensus sequence 5'-[AC]A[AT]T[AG]TT[GT][AG][CT]T[CT]-3' (By similarity). In embryonic development is required for notochord formation. Involved in the development of multiple endoderm-derived organ systems such as the liver, pancreas and lungs; FOXA1 and FOXA2 seem to have at least in part redundant roles. Originally described as a transcription activator for a number of liver genes such as AFP, albumin, tyrosine aminotransferase, PEPCK, etc. Interacts with the cis-acting regulatory regions of these genes. Involved in glucose homeostasis; regulates the expression of genes important for glucose sensing in pancreatic beta-cells and glucose homeostasis. Involved in regulation of fat metabolism. Binds to fibrinogen beta promoter and is involved in IL6-induced fibrinogen beta transcriptional activation.

序列相似性

Contains 1 fork-head DNA-binding domain.

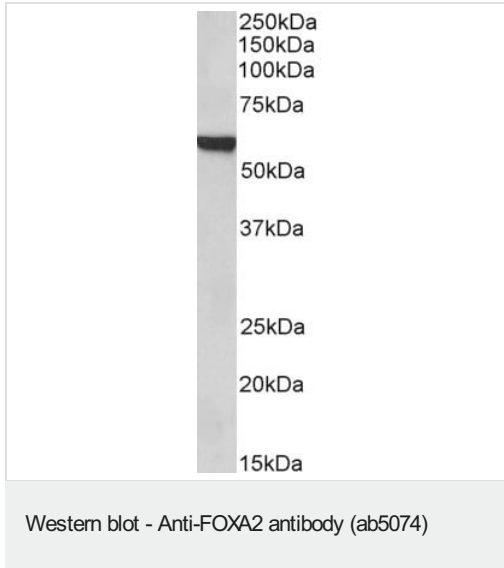
翻译后修饰

Phosphorylation on Thr-156 abolishes binding to target promoters and subsequent transcription activation upon insulin stimulation.

细胞定位

Nucleus. Cytoplasm. Shuttles between the nucleus and cytoplasm in a CRM1-dependent manner and in response to insulin signaling via AKT1 is exported from the nucleus.

图片



Anti-FOXA2 antibody (ab5074) at 1 µg/ml + Rat Lung tissue lysate at 35 µg

Predicted band size: 48 kDa

Observed band size: 60 kDa

Primary incubation was 1 hour. Detected by chemiluminescence.



Anti-FOXA2 antibody (ab5074) at 1 µg/ml + Human Liver lysate at 1 µg/ml

Predicted band size: 48 kDa

Observed band size: 60 kDa

Primary incubation was 1 hour. Detected by chemiluminescence.

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

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