

Anti-PROX1 antibody ab38692

★★★★☆ [8 Abreviews](#) [13 References](#) [1 图像](#)

概述

产品名称	Anti-PROX1抗体
描述	兔多克隆抗体to PROX1
宿主	Rabbit
特异性	We have had mixed results for use of this antibody in IHC-P. The AbReview below from an external researcher reports good staining with this antibody with human heart tissue, but we have had mixed results with this antibody in internal QC testing in IHC-P. We welcome any feedback from customers who have used this antibody in IHC-P.
经测试应用	适用于: WB
种属反应性	与反应: Human 预测可用于: Mouse, Rat 
免疫原	Synthetic peptide corresponding to Human PROX1 aa 150-250 conjugated to keyhole limpet haemocyanin. (Peptide available as ab38691)
阳性对照	WB: HepG2, SHSY5Y whole cell lysates
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. 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	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS

Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

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ab38692于以下的经测试应用

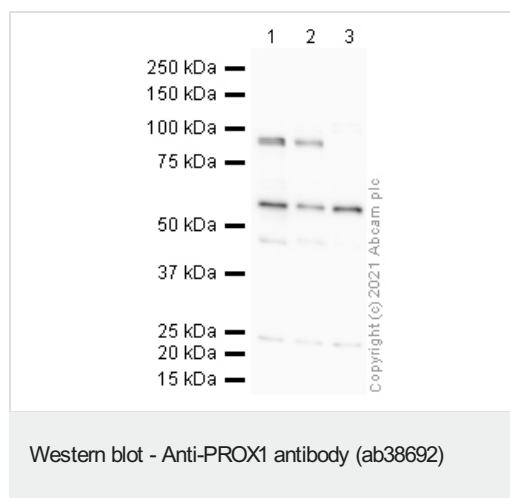
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★★ (2)	Use a concentration of 2 µg/ml. Detects a band of approximately 105 kDa (predicted molecular weight: 83 kDa).

靶标

功能	Transcription factor involved in developmental processes such as cell fate determination, gene transcriptional regulation and progenitor cell regulation in a number of organs. Plays a critical role in embryonic development and functions as a key regulatory protein in neurogenesis and the development of the heart, eye lens, liver, pancreas and the lymphatic system. Involved in the regulation of the circadian rhythm. Represses: transcription of the retinoid-related orphan receptor RORG, transcriptional activator activity of RORA and RORG and the expression of RORA/G-target genes including core clock components: ARNTL/BMAL1, NPAS2 and CRY1 and metabolic genes: AVPR1A and ELOVL3.
组织特异性	Most actively expressed in the developing lens. Detected also in embryonic brain, lung, liver and kidney. In adult, it is more abundant in heart and liver than in brain, skeletal muscle, kidney and pancreas.
序列相似性	Belongs to the Prospero homeobox family. Contains 1 Prospero-type homeobox DNA-binding domain.
结构域	The prospero-type homeobox DNA-binding domain is essential for repression of RORG transcriptional activator activity.
细胞定位	Nucleus. RORG promotes its nuclear localization.
形式	Prox1 is a specific and required regulator of the development of the lymphatic system and that the vascular and lymphatic systems develop independently. Sox18 directly activates Prox1 transcription by binding to its proximal promoter.

图片



All lanes : Anti-PROX1 antibody (ab38692) at 1 µg/ml

Lane 1 : HepG2 whole cell lysate

Lane 2 : SHSY5Y whole cell lysate

Lane 3 : Hek293 whole cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/50000 dilution

Predicted band size: 83 kDa

Observed band size: 95 kDa

Exposure time: 12 minutes

Gel type: MOPS

Blocking buffer: 3% milk

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

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