


Anti-PROX1 antibody [5G10] ab33219

★★★★☆ [5 Abreviews](#) [6 References](#) [画像数 2](#)

製品の概要

製品名	Anti-PROX1 antibody [5G10]
製品の詳細	Mouse monoclonal [5G10] to PROX1
由来種	Mouse
アプリケーション	適用あり: WB 適用なし: IHC-P
種交差性	交差種: Human 交差が予測される動物種: Rat 
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	This antibody gave a positive result in HepG2 (Human hepatocellular liver carcinoma cell line) Nuclear Lysate .
特記事項	<p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com.</p> <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>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
バッファー	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS
精製度	Protein G purified
ポリ/モノ	モノクローナル
クローン名	5G10

アプリケーション

The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab33219の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

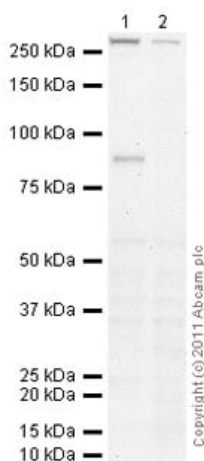
アプリケーション	Abreviews	特記事項
WB	★★★★★ (1)	Use a concentration of 10 µg/ml. Detects a band of approximately 83 kDa (predicted molecular weight: 83 kDa).

追加情報 Is unsuitable for IHC-P.

ターゲット情報

機能	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.
組織特異性	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.
配列類似性	Belongs to the Prospero homeobox family. Contains 1 Prospero-type homeobox DNA-binding domain.
ドメイン	The prospero-type homeobox DNA-binding domain is essential for repression of RORG transcriptional activator activity.
細胞内局在	Nucleus. RORG promotes its nuclear localization.
製品の状態	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.

画像



Western blot - Anti-PROX1 antibody [5G10]
(ab33219)

All lanes : Anti-PROX1 antibody [5G10] (ab33219) at 10 µg/ml

Lane 1 : Hep G2 nuclear extract lysate (**ab14660**)

Lane 2 : HEK293 (Human embryonic kidney cell line) Whole Cell Lysate (negative control)

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Mouse IgG H&L (HRP) preadsorbed (**ab97040**) at 1/5000 dilution

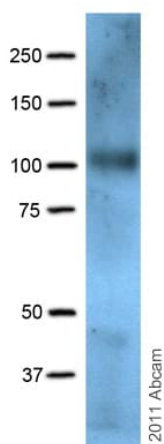
Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 83 kDa

Observed band size: 83 kDa

Exposure time: 20 minutes



Western blot - Anti-PROX1 antibody [5G10]
(ab33219)

Image courtesy of an Abreview submitted by Dr. Xia Chen

Anti-PROX1 antibody [5G10] (ab33219) at 10 µg/ml + P3 Dentate gyrus whole tissue lysate at 50 µg

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 83 kDa

Observed band size: 105 kDa

Exposure time: 20 minutes

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.co.jp/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors