


HRP Anti-NQO1 antibody [A180] ab196629

KO 評価済

★★★★★ [2 Abreviews](#) [画像数 3](#)

製品の概要

製品名	HRP Anti-NQO1 antibody [A180]
製品の詳細	HRP Mouse monoclonal [A180] to NQO1
由来種	Mouse
標識	HRP
アプリケーション	適用あり: IHC-P, WB
種交差性	交差種: Human 交差が予測される動物種: Mouse, Rat 
免疫原	Recombinant full length protein corresponding to Human NQO1.
ポジティブ・コントロール	WB: Human kidney tissue lysate. IHC-P: human breast adenocarcinoma tissue sections.
特記事項	<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. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. Store In the Dark.
バッファー	pH: 7.40 Preservative: 0.1% Proclin 300 Solution Constituents: 30% Glycerol (glycerin, glycerine), 1% BSA, PBS
精製度	IgG fraction
ポリ/モノ	モノクローナル
クローン名	A180

アイソタイプIgG1

アプリケーション

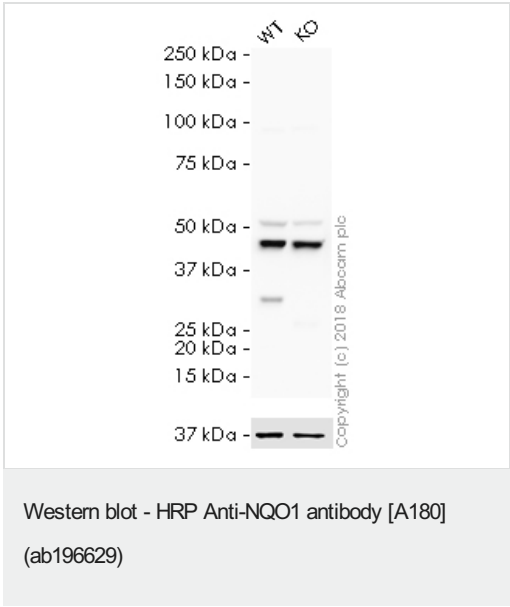
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab196629の使用に適用されます**
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
IHC-P	★★★★★ (2)	1/100. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
WB		1/5000. Detects a band of approximately 30 kDa (predicted molecular weight: 30 kDa).

ターゲット情報

機能	The enzyme apparently serves as a quinone reductase in connection with conjugation reactions of hydroquinons involved in detoxification pathways as well as in biosynthetic processes such as the vitamin K-dependent gamma-carboxylation of glutamate residues in prothrombin synthesis.
配列類似性	Belongs to the NAD(P)H dehydrogenase (quinone) family.
細胞内局在	Cytoplasm.

画像



All lanes : HRP Anti-NQO1 antibody [A180] (ab196629) at 1/5000 dilution

Lane 1 : Wild-type HAP1 whole cell lysate
Lane 2 : NQO1 knockout HAP1 whole cell lysate

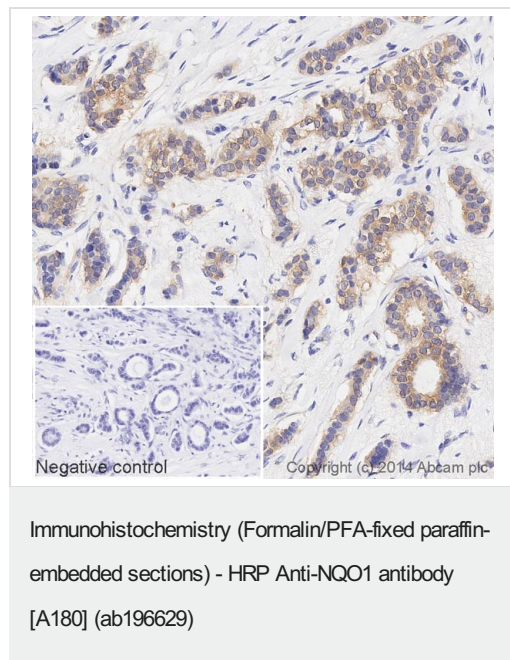
Lysates/proteins at 20 µg per lane.

Predicted band size: 30 kDa
Observed band size: 31 kDa

Exposure time: 4 minutes

ab196629 was shown to recognize NQO1 in wild-type HAP1 cells as signal was lost at the expected MW in NQO1 knockout cells. Additional cross-reactive bands were observed in the wild-type and knockout cells. Wild-type and NQO1 knockout samples were

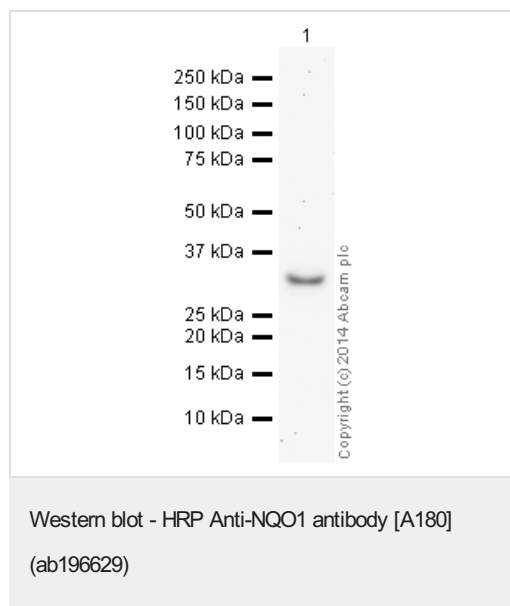
subjected to SDS-PAGE. Ab196629 and **ab184095** (Mouse monoclonal [mAbcam 9484] to GAPDH - Loading Control (Alexa Fluor® 680) loading control) were incubated overnight at 4°C at 1/5000 dilution and 1/1000 dilution respectively. The loading control was imaged using the Licor Odyssey CLx prior to blots being developed with ECL technique.



IHC image of NQO1 staining in a section of formalin-fixed paraffin-embedded human breast adenocarcinoma*, performed on a Leica BOND. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20mins. The section was then incubated with ab196629 at 1/100 dilution, for 15 mins at room temperature. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX. The inset negative control image is taken from an identical assay without primary antibody.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

*Tissue obtained from the Human Research Tissue Bank, supported by the NIHR Cambridge Biomedical Research Centre.



HRP Anti-NQO1 antibody [A180] (ab196629) at 1/5000 dilution + Human kidney tissue lysate - total protein (**ab30203**) at 20 µg

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 30 kDa

Observed band size: 30 kDa

Exposure time: 20 minutes

This blot was produced using a 4-12% Bis-tris gel under the MES buffer system. The gel was run at 200V for 35 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 3% milk before being incubated with ab196629 overnight at 4°C. Antibody binding was visualised using ECL development solution **ab133406**.

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