


### Anti-Oct4 antibody ab18976

★★★★★ 16 Abreviews 206 References 両俵数 1

医薬用外劇物

#### 製品の概要

製品名	Anti-Oct4 antibody
製品の詳細	Rabbit polyclonal to Oct4
由来種	Rabbit
特異性	The antibody reacts with 45 kDa Oct4 (also designated Oct3A) and in a less extent 33 kDa Oct3B.
アプリケーション	適用あり: WB
種交差性	交差種: Rat 交差が予測される動物種: Mouse, Human, Chimpanzee 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
特記事項	<p>This product is manufactured by BioVision, an Abcam company and was previously called 3576 Oct-4 Antibody. 3576-100 is the same size as the 100 µg size of ab18976.</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&amp;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. Avoid freeze / thaw cycle.
バッファー	Preservative: 0.01% Thimerosal (merthiolate) Constituents: 69% PBS, 30% Glycerol (glycerin, glycerine), 0.5% BSA
精製度	Protein A purified
特記事項(精製)	Affinity Purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

## アプリケーション

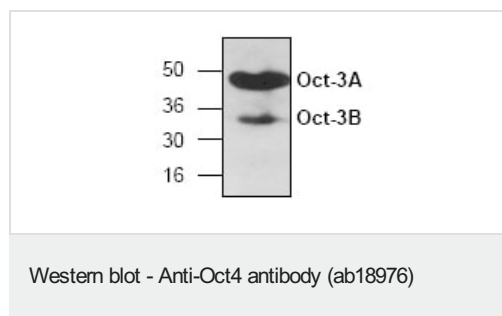
**The Abpromise guarantee** Abpromise保証は、次のテスト済みアプリケーションにおけるab18976の使用に適用されます  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
WB	★★★★★ (5)	Use a concentration of 1 - 2 µg/ml. Predicted molecular weight: 45 kDa.

## ターゲット情報

機能	Transcription factor that binds to the octamer motif (5'-ATTGTCAT-3'). Forms a trimeric complex with SOX2 on DNA and controls the expression of a number of genes involved in embryonic development such as YES1, FGF4, UTF1 and ZFP206. Critical for early embryogenesis and for embryonic stem cell pluripotency.
組織特異性	Expressed in developing brain. Highest levels found in specific cell layers of the cortex, the olfactory bulb, the hippocampus and the cerebellum. Low levels of expression in adult tissues.
配列類似性	Belongs to the POU transcription factor family. Class-5 subfamily. Contains 1 homeobox DNA-binding domain. Contains 1 POU-specific domain.
発生段階	Highly expressed in undifferentiated embryonic stem cells and expression decreases gradually after embryoid body (EB) formation.
ドメイン	The POU-specific domain mediates interaction with PKM2.
翻訳後修飾	Sumoylation enhances the protein stability, DNA binding and transactivation activity. Sumoylation is required for enhanced YES1 expression. Ubiquitinated; undergoes 'Lys-63'-linked polyubiquitination by WWP2 leading to proteasomal degradation.
細胞内局在	Nucleus. Expressed in a diffuse and slightly punctuate pattern.

## 画像



Anti-Oct4 antibody (ab18976) at 0.5 µg/ml + Lysates prepared from rat kidney tissue.

**Predicted band size:** 45 kDa

The antibody reacts with 45 kDa Oct4 (also designated Oct-3A) and in a less extent 33 kDa Oct-3B from human, mouse, and rat samples.

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

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