

Anti-Oct-1 antibody [EPR16570] ab178869

リコンビナント **RabMAb**

★★★★★ **6 Abreviews** **10 References** 画像数 10

製品の概要

製品名	Anti-Oct-1 antibody [EPR16570]
製品の詳細	Rabbit monoclonal [EPR16570] to Oct-1
由来種	Rabbit
アプリケーション	適用あり: WB, IHC-P, IP
種交差性	交差種: Mouse, Rat, Human
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	WB: Human fetal brain lysate; Mouse and Rat heart lysates; Ramos, HEK-293 and HeLa whole cell lysates. IHC-P: Human endometrium, Human tonsil, Human endometrial cancer, Mouse colon and Rat spleen tissues. IP: HeLa cell lysate.
特記事項	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</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 long term. Avoid freeze / thaw cycle.
バッファー	<p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 0.05% BSA, 40% Glycerol (glycerin, glycerine)</p>
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR16570
アイソタイプ	IgG

アプリケーション

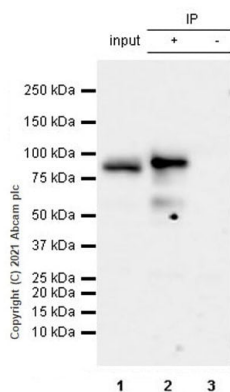
The Abpromise guarantee Abpromise保証は、 次のテスト済みアプリケーションにおけるab178869の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB	★★★★★ (1)	1/1000. Detects a band of approximately 95 kDa (predicted molecular weight: 76 kDa).
IHC-P	★★★★★ (3)	1/500. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
IP		1/30. ab178869 is suitable for [IP, Human]. ab178869 is not suitable for [IP, Mouse].

ターゲット情報

機能	Transcription factor that binds to the octamer motif (5'-ATTTGCAT-3') and activates the promoters of the genes for some small nuclear RNAs (snRNA) and of genes such as those for histone H2B and immunoglobulins. Modulates transcription transactivation by NR3C1, AR and PGR (By similarity). In case of human herpes simplex virus (HSV) infection, POU2F1 forms a multiprotein-DNA complex with the viral transactivator protein VP16 and HCFC1 thereby enabling the transcription of the viral immediate early genes.
組織特異性	Ubiquitous. Isoform 2 is lymphocyte-specific.
配列類似性	Belongs to the POU transcription factor family. Class-2 subfamily. Contains 1 homeobox DNA-binding domain. Contains 1 POU-specific domain.
翻訳後修飾	Phosphorylated by PRKDC.
細胞内局在	Nucleus.

画像



Immunoprecipitation - Anti-Oct-1 antibody
[EPR16570] (ab178869)

Oct-1 was immunoprecipitated from 0.35mg HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate with ab178869 at 1/30 dilution (2µg in 0.35mg lysates). Western blot was performed on the immunoprecipitate using ab178869 at 1/1000 dilution (0.357 µg/ml). VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)) was used at 1/5000 dilution.

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate (10ug).

Lane 2: ab178869 IP in HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate.

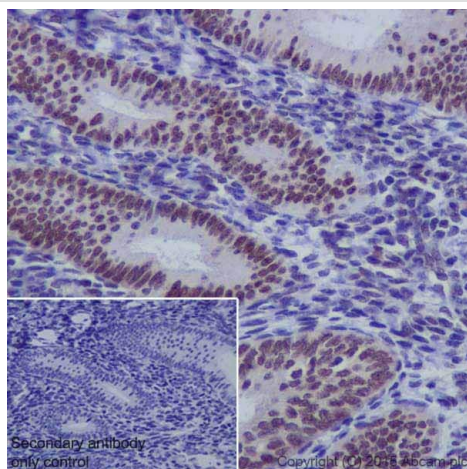
Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of ab178869 in HeLa whole cell lysate.

Blocking and dilution buffer and concentration: 5%
NFDm/TBST.

Exposure time: 24 seconds.

Observed band: 76 kDa.

Lysates were made freshly and used in IP test immediately to minimize protein degradation.

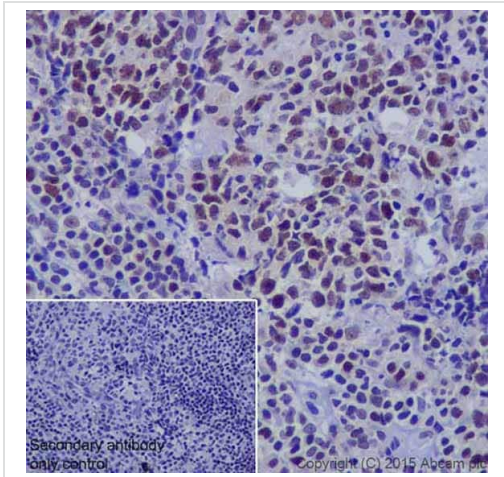


Immunohistochemistry (Formalin/PFA-fixed paraffin-
embedded sections) - Anti-Oct-1 antibody
[EPR16570] (ab178869)

Immunohistochemical analysis of paraffin-embedded Human endometrium tissue labeling Oct-1 with ab178869 at 1/500 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution. Nucleus staining on Human endometrial tissue is observed. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is [ab97051](#) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

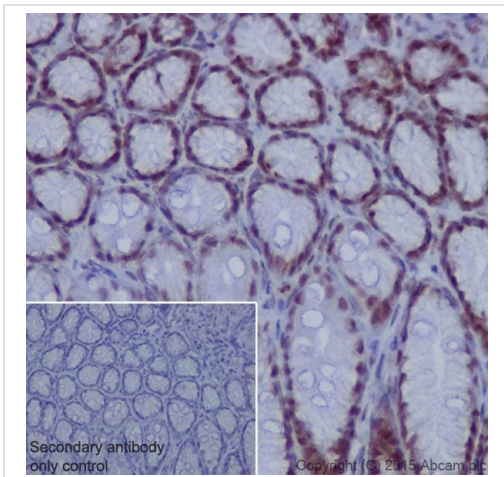


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Oct-1 antibody [EPR16570] (ab178869)

Immunohistochemical analysis of paraffin-embedded Human tonsil tissue labeling Oct-1 with ab178869 at 1/500 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution. Nucleus staining on Human tonsil tissue is observed. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is [ab97051](#) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

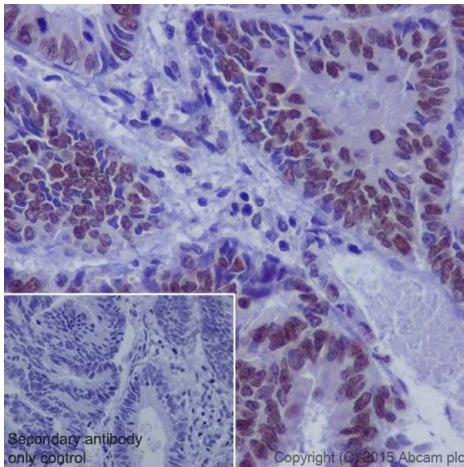


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Oct-1 antibody [EPR16570] (ab178869)

Immunohistochemical analysis of paraffin-embedded Mouse colon tissue labeling Oct-1 with ab178869 at 1/500 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution. Nucleus staining on epithelium of mouse colon is observed. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is [ab97051](#) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

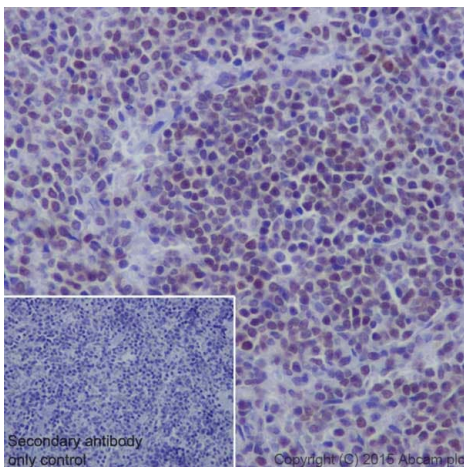


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Oct-1 antibody [EPR16570] (ab178869)

Immunohistochemical analysis of paraffin-embedded Human endometrial cancer tissue labeling Oct-1 with ab178869 at 1/500 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution. Nucleus staining on tumor cells of Human endometrial cancer tissue is observed. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is [ab97051](#) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

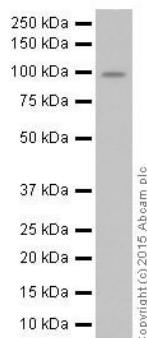


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Oct-1 antibody [EPR16570] (ab178869)

Immunohistochemical analysis of paraffin-embedded Rat spleen tissue labeling Oct-1 with ab178869 at 1/500 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution. Nucleus staining on rat spleen tissue is observed. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is [ab97051](#) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Western blot - Anti-Oct-1 antibody [EPR16570]
(ab178869)

Anti-Oct-1 antibody [EPR16570] (ab178869) at 1/1000 dilution +
Human fetal brain lysate at 10 µg

Secondary

Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at
1/10000 dilution

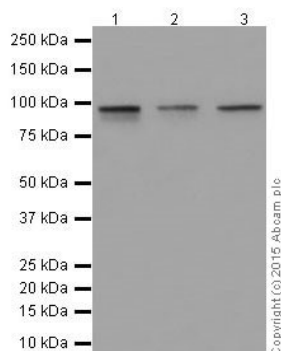
Predicted band size: 76 kDa

Observed band size: 95 kDa

Exposure time: 1 minute

Blocking/Dilution buffer: 5% NFDM/TBST.

The molecular weight observed is consistent with what has been
described in the literature (PMID: 9398664; 14586402; 11777930).



Western blot - Anti-Oct-1 antibody [EPR16570]
(ab178869)

All lanes : Anti-Oct-1 antibody [EPR16570] (ab178869) at 1/5000
dilution

Lane 1 : Ramos (Human Burkitt's lymphoma cell line) whole cell
lysate

Lane 2 : HEK-293 (Human epithelial cell line from embryonic
kidney) whole cell lysate

Lane 3 : HeLa (Human epithelial cell line from cervix
adenocarcinoma) whole cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at
1/100000 dilution

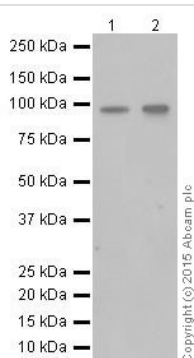
Predicted band size: 76 kDa

Observed band size: 95 kDa

Exposure time: 3 seconds

Blocking/Dilution buffer: 5% NFDM/TBST.

The molecular weight observed is consistent with what has been described in the literature (PMID: 9398664; 14586402; 11777930).



Western blot - Anti-Oct-1 antibody [EPR16570]
(ab178869)

All lanes : Anti-Oct-1 antibody [EPR16570] (ab178869) at 1/1000 dilution

Lane 1 : Mouse heart lysate

Lane 2 : Rat heart lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

Predicted band size: 76 kDa

Observed band size: 95 kDa

Exposure time: 1 minute

Blocking/Dilution buffer: 5% NFDM/TBST.

The molecular weight observed is consistent with what has been described in the literature (PMID: 9398664; 14586402; 11777930).

Please note that the antibody detects extra bands on lysates from mouse and rat cell lines.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-Oct-1 antibody [EPR16570] (ab178869)

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