

Product datasheet

Anti-Oct-1 antibody ab52812

1 References 画像数 1

製品の概要

製品名	Anti-Oct-1 antibody
製品の詳細	Mouse polyclonal to Oct-1
由来種	Mouse
アプリケーション	適用あり: WB
種交差性	交差種: Mouse
免疫原	Recombinant fragment corresponding to Mouse Oct-1 aa 207-306. Sequence:  FIISQTPQGQGLLQAQNLLTQLPQSQANLLQPQPSITLTSQPTTPTRT IAAASVQTLPQSQSTPKRIDTPSLEEPSDLEELEQFAKTFKQRRIKLGFT  Database link: <a href="#">P14859</a>

 [Run BLAST with](#)

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特記事項

This antibody was raised by a genetic immunization technique. Genetic immunization can be used to generate antibodies by directly delivering antigen-coding DNA into the animal, rather than injecting a protein or peptide (Tang et al. PubMed: 1545867; Chambers and Johnston PubMed 12910245; Barry and Johnston PubMed: 9234514). The animal's cells produce the protein, which stimulates the animal's immune system to produce antibodies against that particular protein. A vector coding for a partial fusion protein was used for genetic immunisation of a mouse and the resulting serum was tested in Western blot against an *E.coli* lysate containing that partial fusion protein. Genetic immunization offers enormous advantages over the traditional protein-based immunization method. DNA is faster, cheaper and easier to produce and can be produced by standard techniques readily amenable to automation. Furthermore, the antibodies generated by genetic immunization are usually of superior quality with regard to specificity, affinity and recognizing the native protein.

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	Constituent: 50% Glycerol

精製度	Whole antiserum
一次抗体 備考	This antibody was raised by a genetic immunization technique. Genetic immunization can be used to generate antibodies by directly delivering antigen-coding DNA into the animal, rather than injecting a protein or peptide (Tang et al. PubMed: 1545867; Chambers and Johnston PubMed 12910245; Barry and Johnston PubMed: 9234514). The animal's cells produce the protein, which stimulates the animal's immune system to produce antibodies against that particular protein. A vector coding for a partial fusion protein was used for genetic immunisation of a mouse and the resulting serum was tested in Western blot against an <i>E.coli</i> lysate containing that partial fusion protein. Genetic immunization offers enormous advantages over the traditional protein-based immunization method. DNA is faster, cheaper and easier to produce and can be produced by standard techniques readily amenable to automation. Furthermore, the antibodies generated by genetic immunization are usually of superior quality with regard to specificity, affinity and recognizing the native protein.
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

Our [Abpromise guarantee](#) covers the use of **ab52812** in the following tested applications.

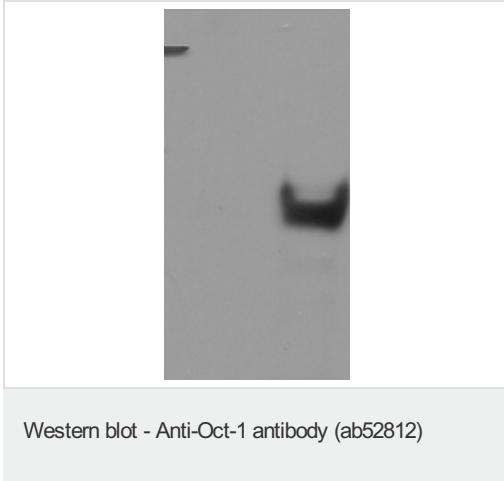
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
WB		1/1000. Detects a band of approximately 38 kDa (predicted molecular weight: 77 kDa). This antibody has been tested in Western blot against an <i>E.coli</i> lysate containing the partial recombinant fusion protein used as an immunogen. We have no data on detection of endogenous protein.

## 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



**All lanes :** Anti-Oct-1 antibody (ab52812) at 1/1000 dilution

**Lane 1 :** Negative control lane: ~20µg of a total protein extract from *E.coli* with ~50ng to 100ng of a fusion protein of an irrelevant antigen.

**Lane 2 :** Test lane: ~20µg of a total protein extract from *E.coli* with ~50ng to 500ng of the antigen (a fusion protein).

### Secondary

**All lanes :** Rabbit anti-mouse IgG + IgM, (H+L) horseradish peroxidase conjugated. at 1/5000 dilution

**Predicted band size:** 77 kDa

**Observed band size:** 38 kDa

The western blot contains a test lane of ~20µg of a total protein extract from *E.coli* with ~50ng to 500ng of the antigen (GST-antigen fusion protein). The negative control lane is the same except it contains ~50ng to 100 ng of a GST fusion protein of an irrelevant antigen. The blot was probed with a final antisera dilution of 1:1000. The secondary antibody (Rabbit anti-mouse IgG + IgM, (H+L) horseradish peroxidase conjugated (Pierce)) is used at 1:5000 dilution. Note, the molecular weight of the band on the western blot does not correspond to the molecular weight of the natural protein because only a fragment of the gene is used and it is fused to a tag.

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