

Product datasheet

Anti-Oct-2 antibody [EPR12482] ab179808

Recombinant RabMAb

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Overview

<b>Product name</b>	Anti-Oct-2 antibody [EPR12482]
<b>Description</b>	Rabbit monoclonal [EPR12482] to Oct-2
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, ICC/IF, Flow Cyt, IP <b>Unsuitable for:</b> IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Recombinant fragment within Human Oct-2. The exact sequence is proprietary. Database link: <a href="#">P09086</a>
<b>Positive control</b>	Ramos, Raji and Daudi cell lysates; Raji cells; Daudi cells.
<b>General notes</b>	A trial size is available to purchase for this antibody.  Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> .  This product is a <a href="#">recombinant rabbit monoclonal antibody</a> .

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol, 0.05% BSA, 50% Tissue culture supernatant
<b>Purity</b>	Tissue culture supernatant
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR12482
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab179808** in the following tested applications.

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

Application	Abreviews	Notes
WB		1/1000 - 1/5000. Predicted molecular weight: 51 kDa.
ICC/IF		1/100 - 1/250.
Flow Cyt		1/100 - 1/500. <a href="#">ab172730</a> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
IP		1/10 - 1/100.

**Application notes** Is unsuitable for IHC-P.

## Target

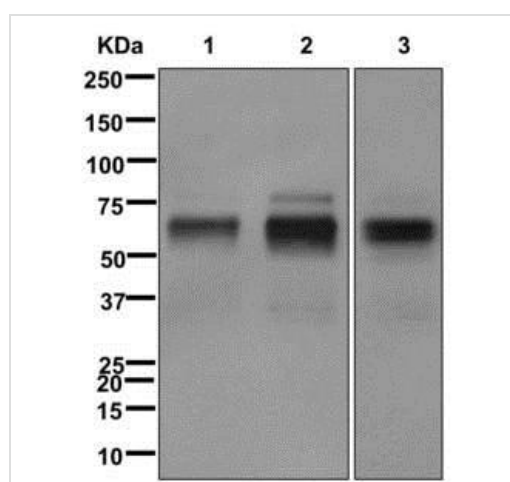
**Function** Transcription factor that specifically binds to the octamer motif (5'-ATTTGCAT-3'). Regulates transcription in a number of tissues in addition to activating immunoglobulin gene expression. Modulates transcription transactivation by NR3C1, AR and PGR. Isoform 5 activates the U2 small nuclear RNA (snRNA) promoter.

**Tissue specificity** Isoform 3 is B-cell specific. Isoform 5 is expressed in B-cells and the immunoglobulin-expressing T-cell line MOLT-4, but not in the T-cell line BW5147.

**Sequence similarities** Belongs to the POU transcription factor family. Class-2 subfamily. Contains 1 homeobox DNA-binding domain. Contains 1 POU-specific domain.

**Cellular localization** Cytoplasm. Nucleus.

## Images



Western blot - Anti-Oct-2 antibody [EPR12482] (ab179808)

**All lanes** : Anti-Oct-2 antibody [EPR12482] (ab179808) at 1/1000 dilution

**Lane 1** : Ramos cell lysate

**Lane 2** : Raji cell lysate

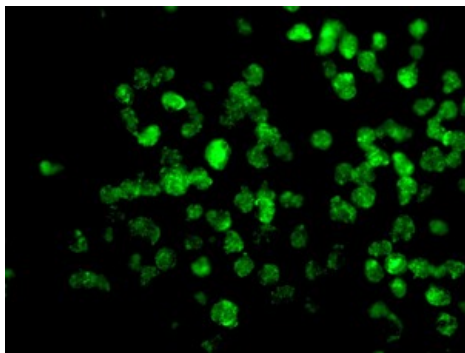
**Lane 3** : Daudi cell lysate

Lysates/proteins at 10 µg per lane.

### Secondary

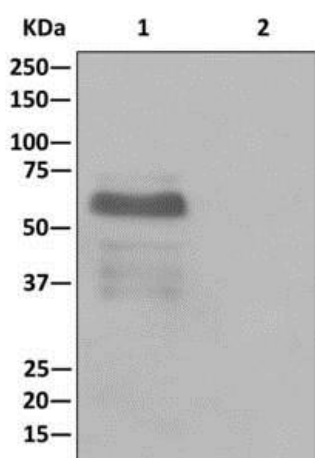
**All lanes** : HRP labelled goat anti-rabbit at 1/2000 dilution

**Predicted band size:** 51 kDa



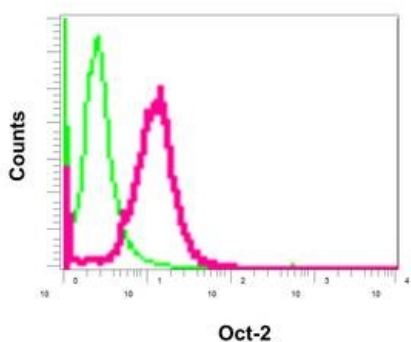
Immunocytochemistry/ Immunofluorescence - Anti-Oct-2 antibody [EPR12482] (ab179808)

Immunofluorescent analysis of Raji cells labeling Oct-2 with ab179808 at 1:100.



Immunoprecipitation - Anti-Oct-2 antibody [EPR12482] (ab179808)

Immunoprecipitation of Oct-2 from Raji cell lysate using ab179808 at 1:10 for IP (lane 1) or 1X PBS (negative control) (lane 2), and HRP-conjugated anti-rabbit IgG preferentially detecting the non-reduced form of rabbit IgG.



Immunoprecipitation - Anti-Oct-2 antibody [EPR12482] (ab179808)

Flow Cytometrical analysis of permeabilized Daudi cells labeling Oct-2 with ab179808 at 1:100 (red) or a rabbit IgG (negative) (green).

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

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