


## Product datasheet

# Anti-Oct-2 antibody [EPR12482-106] ab178679

Recombinant RabMAb

★★★★★ [3 Abreviews](#) [2 References](#) [5 Images](#)

### Overview

<b>Product name</b>	Anti-Oct-2 antibody [EPR12482-106]
<b>Description</b>	Rabbit monoclonal [EPR12482-106] to Oct-2
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P <b>Unsuitable for:</b> Flow Cyt, ICC/IF or IP
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Rat 
<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, Daudi and Jurkat whole cell lysate ( <a href="#">ab7899</a> ). Human colon, tonsil and DLBCL tissue.
<b>General notes</b>	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> For more information <a href="#">see here</a> . 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> .  Mouse: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.

### 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 (glycerin, glycerine), 0.05% BSA, 50% Tissue culture

	supernatant
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR12482-106
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab178679 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

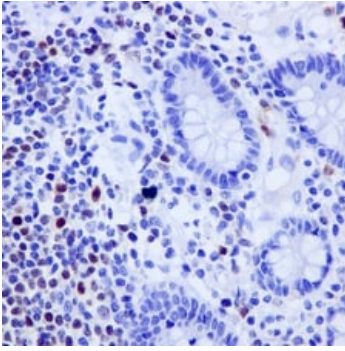
Application	Abreviews	Notes
<b>WB</b>		1/1000 - 1/5000. Detects a band of approximately 58 kDa (predicted molecular weight: 51 kDa).
<b>IHC-P</b>	★★★★★ (2)	1/100 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

**Application notes** Is unsuitable for Flow Cyt, ICC/IF or IP.

## Target

<b>Function</b>	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.
<b>Tissue specificity</b>	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.
<b>Sequence similarities</b>	Belongs to the POU transcription factor family. Class-2 subfamily. Contains 1 homeobox DNA-binding domain. Contains 1 POU-specific domain.
<b>Cellular localization</b>	Cytoplasm. Nucleus.

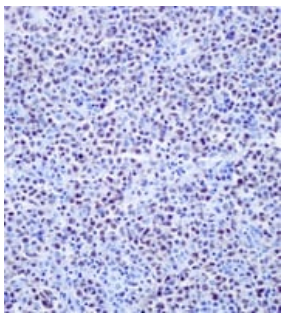
## Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Oct-2 antibody [EPR12482-106] (ab178679)

Immunohistochemical analysis of paraffin-embedded Human colon tissue labeling Oct-2 with ab178679 at 1:100 dilution.

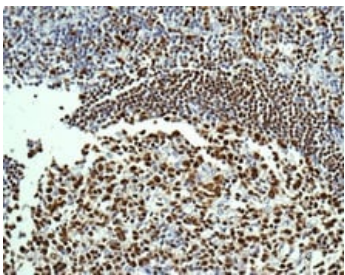
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Oct-2 antibody [EPR12482-106] (ab178679)

Immunohistochemical analysis of paraffin-embedded Human DLBCL tissue labeling Oct-2 with ab178679 at 1:100 dilution.

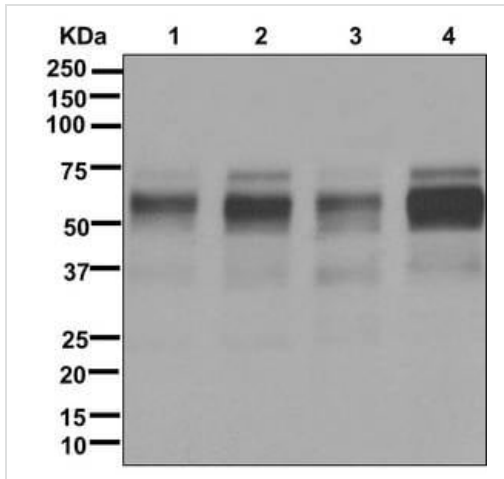
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Oct-2 antibody [EPR12482-106] (ab178679)

Immunohistochemical analysis of paraffin-embedded Human tonsil tissue labeling Oct-2 with ab178679 at 1:100 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Western blot - Anti-Oct-2 antibody [EPR12482-106] (ab178679)

**All lanes :** Anti-Oct-2 antibody [EPR12482-106] (ab178679) at 1/1000 dilution

**Lane 1 :** Ramos cell lysate

**Lane 2 :** Raji cell lysate




**Lane 3 :** Daudi cell lysate

**Lane 4 :** Jurkat cell lysate

Lysates/proteins at 10 µg per lane.

**Predicted band size:** 51 kDa

Why choose a recombinant antibody?

 <p><b>Research with confidence</b> Consistent and reproducible results</p>	 <p><b>Long-term and scalable supply</b> Recombinant technology</p>
 <p><b>Success from the first experiment</b> Confirmed specificity</p>	 <p><b>Ethical standards compliant</b> Animal-free production</p>

Anti-Oct-2 antibody [EPR12482-106] (ab178679)

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

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