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Datasheet for ABIN6940358  
**anti-Oct-2 antibody (AA 112-297)**

4 Images

### Overview

Quantity:	100 µg
Target:	Oct-2 (POU2F2)
Binding Specificity:	AA 112-297
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Oct-2 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

### Product Details

Immunogen:	Recombinant fragment of human OCT2 protein (around aa 112-297) (exact sequence is proprietary)
Clone:	Oct2-2136
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

### Target Details

Target:	Oct-2 (POU2F2)
Alternative Name:	POU2F2 ( <a href="#">POU2F2 Products</a> )
Background:	Oct-2 is a transcription factor of the POU homeo-domain family that binds to the Ig gene

## Target Details

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octamer sites, regulating B-cell-specific genes. Oct-2 expression can be used as a marker of B-cell lineage and differentiation. Germinal center B-cells, mantle B-cells, monocytoid B-cells, and plasma cells show high level expression of Oct-2. Additionally, mantle cell lymphoma, follicular lymphoma, marginal zone lymphoma, plasmacytoma, Burkitt lymphoma, diffuse large cell lymphoma, diffuse large B-cell lymphoma, Hodgkin lymphoma display increased expression of Oct-2. Several studies of Oct-2 expression have shown a low level expression in pre-B, T-cell, myelomonocytic, and epithelial cell lines, whereas all mature B-cell lines have high levels of expression. In spite of scanty evidence for Oct-2 expression in T cells, it is believed that this factor participates in transcriptional regulation during T-cell activation.

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Molecular Weight: 60kDa

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Gene ID: 5452

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UniProt: [P09086](#)

## Application Details

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Application Notes: Positive Control: Raji or U-937 cells. Spleen or Tonsil.  
Known Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 min at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

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Restrictions: For Research Use only

## Handling

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Concentration: 200 µg/mL

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Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

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Preservative: Sodium azide

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Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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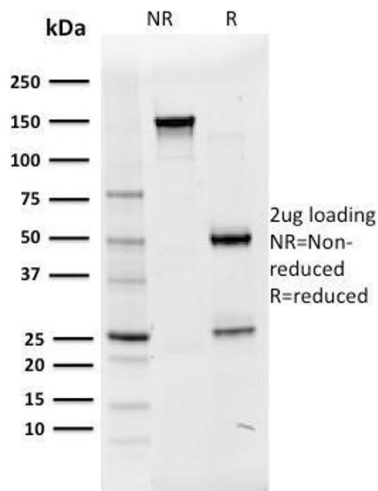
Storage: 4 °C,-80 °C

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Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

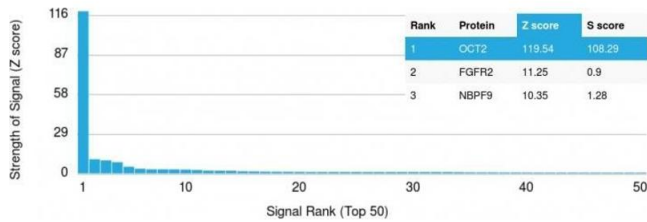
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Expiry Date: 24 months



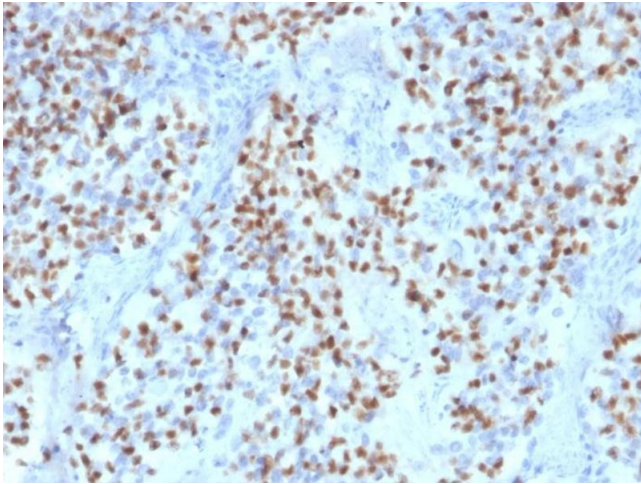
### SDS-PAGE

**Image 1.** SDS-PAGE Analysis Purified Oct-2 Mouse Monoclonal Antibody (OCT2/2136). Confirmation of Purity and Integrity of Antibody.



### Protein Array

**Image 2.** Analysis of Protein Array containing more than 19,000 full-length human proteins using Oct-2 Mouse Monoclonal Antibody (OCT2/2136) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



### Immunohistochemistry

**Image 3.** Formalin-fixed, paraffin-embedded human Lymph Node stained with Oct-2 Mouse Monoclonal Antibody (OCT2/2136).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6940358.