Recombinant OCT-2 (POU2F2) (B-Cell Marker) Antibody

Rabbit Monoclonal Antibody [Clone OCT2/7073R]

Catalog No	Format	Size
5452-RBM5-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
5452-RBM5-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
5452-RBM5-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

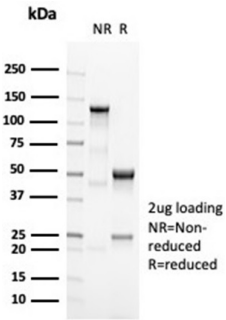
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

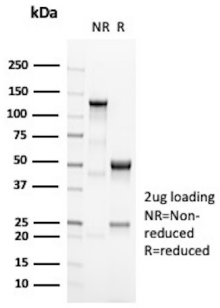
Clone	OCT2/7073R
Immunogen	Recombinant fragment (around aa112-297) of the human OCT-2 protein (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	51.21kDa
Cellular Localization	Cytoplasm, Nucleus
Species Reactivity	Human
Positive Control	Raji or U-937 cells. Human spleen or tonsil.

**Optimal dilution for a specific application should be determined.*

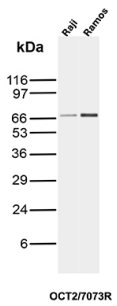
Product Images for Recombinant OCT-2 (POU2F2) (B-Cell Marker) Antibody



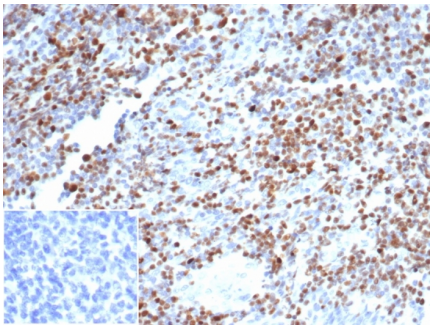
Formalin-fixed, paraffin-embedded human tonsil stained with Oct-2 Recombinant Mouse Monoclonal Antibody (rOCT2/7196). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.



SDS-PAGE Analysis of Purified POU domain, class 2, transcription factor 2 Recombinant Rabbit Monoclonal Antibody (OCT2/7073R). Confirmation of Purity and Integrity of Antibody.



Western blot analysis of Raji and Ramos cell lysates using OCT2 Recombinant Rabbit Monoclonal Antibody (OCT2/7073R).



Formalin-fixed, paraffin-embedded human tonsil stained with Oct-2 Recombinant Mouse Monoclonal Antibody (rOCT2/7196). Inset: PBS instead of primary antibody; secondary only negative control.

Specificity & Comments

Oct-2 is a transcription factor of the POU homeo-domain family that binds to the Ig gene 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.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

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.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.