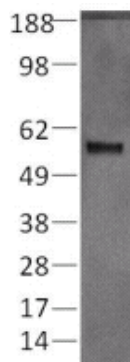


Anti-Human/Mouse OCT2 Purified

Catalog Number: 14-5840

Also Known As: Oct-2, octamer-binding transcription factor, POU2F2


RUO: For Research Use Only



Ramos cell line lysates prepared under reducing conditions were resolved by SDS-PAGE then immunoblotted with 3 µg/ml of Anti-Human/Mouse OCT2 Purified. Bands were visualized using Anti-Rat IgG HRP.

Product Information

Contents: Anti-Human/Mouse OCT2 Purified

 Catalog Number: 14-5840

Clone: 9A2

Concentration: 0.5 mg/ml

Host/Isotype: Rat IgG2a, κ

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer



Temperature Limitation: Store at 2-8°C.



Batch Code: Refer to Vial



Use By: Refer to Vial

Description

This monoclonal 9A2 antibody recognizes human and mouse Oct2, a transcription factor that binds conserved octamer DNA motifs within immunoglobulin promoters. The structure of the Oct2 protein consists of an amino terminal glutamine-rich domain, a central POU homeodomain and a carboxy terminal transactivation domain. Predominantly expressed in the nucleus of B cells, Oct2 has also been found in activated T cells and a subset of myeloid cells. Based on knock-out studies, expression is not required for B cell commitment but is required for maturation. In addition to developmental expression, Oct2 has been associated with neoplasm and maybe a useful tool for characterization of DLBCL and classical Hodgkin's disease.

Applications Reported

This 9A2 antibody has been reported for use in immunoblotting (WB).

Applications Tested

This 9A2 antibody has been tested by western blot analysis of the Ramos cell line under reducing conditions. This can be used at less than or equal to 5 µg/ml. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Corcoran LM, Koentgen F, Dietrich W, Veale M, Humbert PO. All known in vivo functions of the Oct-2 transcription factor require the C-terminal protein domain. *J Immunol.* 2004 Mar 1;172(5):2962-9.(9A2, WB, EMSA, PubMed)

Corcoran LM, Karvelas M, Nossal GJ, Ye ZS, Jacks T, Baltimore D. Oct-2, although not required for early B-cell development, is critical for later B-cell maturation and for postnatal survival. *Genes Dev.* 1993 Apr;7(4):570-82.

Kang SM, Tsang W, Doll S, Scherle P, Ko HS, Tran AC, Lenardo MJ, Staudt LM. Induction of the POU domain transcription factor Oct-2 during T-cell activation by cognate antigen. *Mol Cell Biol.* 1992 Jul;12(7):3149-54.

Related Products

14-4321 Rat IgG2a K Isotype Control Purified

