



Rabbit anti OCT-2 Antibody

Alternate Names: POU2F2

Order Information

Description: Rabbit anti Oct-2
 Catalogue#: 500-4304
 Lot#: See the label
 Size: 100 ug/200 ul
 Host: Rabbit
 Clone: N/A
 Application: ELISA, WB, IHC
 Reactivity: Hu, Ms, Rt

ANTIGEN PREPARATION

A synthetic peptide corresponding to C-terminus of OCT-2 protein from human, mouse and rat origins.

BACKGROUND

Oct1 and Oct2 are transcription factors of the POU homeo-domain family that bind to the Ig gene octamer sites, regulating B-cell-specific genes. The function of these transcription factors is dependent on the activity of B-cell-restricted coactivators such as BOB.1/OBF.1. Absence of functional Oct-2 and Bob-1 cells represents a novel mechanism for immunoglobulin gene deregulation

PURIFICATION

The Rabbit IgG is purified by Epitope Affinity Purification.

SPECIFICITY

This antibody recognizes ~55 kDa of OCT-2 protein from human, rat and mouse origins. It does not cross react with OCT-1, OCT-4. The other species are not tested

FORMULATION

This affinity purified antibody is supplied in sterile Phosphate-buffered saline (pH7.2) containing antibody stabilizer

STORAGE

The antibodies are stable for 12 months from date of receipt when stored at -20°C to -70°C. The antibodies can be stored at 2°C-8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

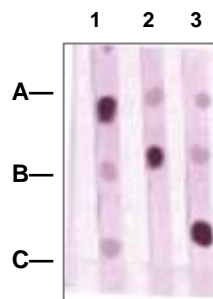
APPLICATIONS/SUGGESTED WORKING DILUTIONS

Western Blot	0.1-1 µg/ml
ELISA	0.01-0.1 µg/ml
Immunoprecipitation	2-5 µg/ml
IHC	0.5-2 µg/ml
Flow cytometry	Not tested

MOLECULAR WEIGHT:	55 kDa
POSITIVE CONTROL:	Jurkat Cell Lysate
CELLULAR LOCATION:	Nuclear

Optimal dilutions should be determined by researchers for the specific applications.

DATA ATTACHMENTS



Dot Blot:
 1 µg peptides was blotted onto NC membrane
 A: OCT-1
 B: OCT-2
 C: OCT-4
 Followed by immunoblotting at a 1:1000 dilution by:
 1: Rabbit anti-OCT-1(Cat#601-440)
 2: Rabbit anti-OCT-2(Cat#500-4304)
 3: Rabbit anti-OCT-4 (601-450)

REFERENCES:

Daniel Re, et al. Oct-2 and Bob-1 Deficiency in Hodgkin and Reed Sternberg Cells. *Cancer Research* 61, 2080-2084 (2001).

FOR RESEARCH USE ONLY.