

AbboMax, Inc

Innovation at Work

Rabbit anti OCT-1 Antibody

Alternate Names: POU2F1

Order Information

Description: Rabbit anti Oct-1
Catalogue#: 601-440
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-1 protein from human, mouse and rat origins.

BACKGROUND

Oct -1, a member of POU transcription factors, was identified as a DNA-binding protein that activates gene transcription via a cis-element containing an Octamer motif ATGCAAT. It is expressed in embryonic stem (ES) cells and germ cells, and its expression is required to sustain cell self-renewal and pluripotency. Oct-3/4 is the most recognized marker for totipotent ES cells.

PURIFICATION

The Rabbit IgG is purified by Epitope Affinity Purification.

SPECIFICITY

This antibody recognizes ~89 kDa of OCT-1 protein from human, rat and mouse origins. It does not cross react with OCT-4, OCT-2. 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.

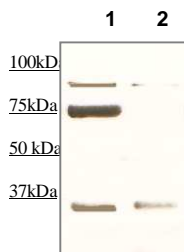
APPLICATIONS/SUGGESTED WORKING DILUTIONS

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

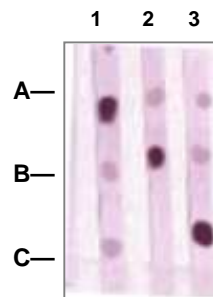
MOLECULAR WEIGHT:	89 kDa
POSITIVE CONTROL:	Jurkat Cell Lysate
CELLULAR LOCATION:	N/A

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

DATA ATTACHMENTS



Western Blot: The tissue lysate derived from mouse kidney was immunoprobed by Rabbit anti-OCT-1 (Cat#601-440) at 1:500. An immunoreactive band is observed around ~89 kDa (1). This band is abolished by pre-incubation with immunizing peptide (2).



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:

Thibault Mesplède, et al. The POU Transcription Factor Oct-1 Represses Virus-Induced Interferon A Gene Expression. *Molecular and Cellular Biology*, 25(19), 8717-8731, (2005).

FOR RESEARCH USE ONLY.