

For Research Use Only

# OCT2 Polyclonal antibody

Catalog Number: 10867-2-AP

2 Publications



## Basic Information

### Catalog Number:

10867-2-AP

### Size:

150ul, Concentration: 550 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG0955

### GenBank Accession Number:

BC006101

### GeneID (NCBI):

5452

### UNIPROT ID:

P09086

### Full Name:

POU class 2 homeobox 2

### Calculated MW:

44 kDa

### Observed MW:

55 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

## Applications

### Tested Applications:

WB, IP, IHC, ELISA

### Cited Applications:

WB, ChIP

### Species Specificity:

human, mouse

### Cited Species:

human, mouse

### Positive Controls:

WB : NIH/3T3 cells, mouse ovary tissue

IP : NIH/3T3 cells,

IHC : human lymphoma tissue,

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

POU2F2, also named as OCT2, is a 479 amino acid protein, which belongs to the POU transcription factor family. The Pit-Oct-Unc (POU) family of transcription factors includes many proteins that have been grouped in seven distinct classes according to function and expression containing proteins such as the neuronally expressed Pit proteins in class I, the ubiquitously expressed Oct-1 and tissue-specific Oct-2 in the second category, the well-known pluripotency marker Oct-4 which belongs to class V. Oct-1 (POU2f1) is a ubiquitous factor present in a wide range of cell types while Oct-2 (POU2f2) expression has been found confined to B lymphocytes and neuronal cells. Oct-2 has been implicated in B cell development and regulation of B lymphocyte-specific genes. POU2F2 exists various isoforms with MV 43, 50, and 62 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Min-Min Lee	39596166	Int J Mol Sci	WB
Aktan Alpsoy	38309274	Mol Cell	WB, ChIP

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

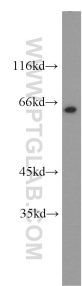
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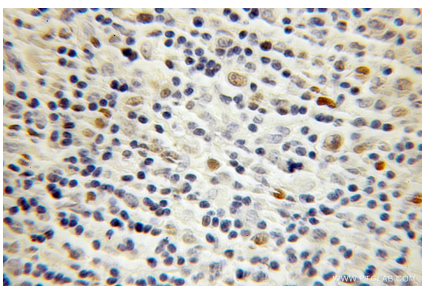
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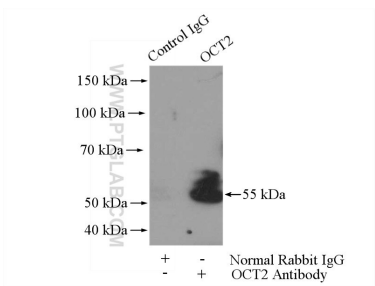
Selected Validation Data



NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 10867-2-AP (OCT2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lymphoma using 10867-2-AP (OCT2 antibody) at dilution of 1:100 (under 10x lens).



IP result of anti-OCT2 (IP:10867-2-AP, 4ug; Detection:10867-2-AP 1:300) with NIH/3T3 cells lysate 1200ug.