

For Research Use Only

OCT2 Polyclonal antibody

Catalog Number: 10867-2-AP

2 Publications



Basic Information

Catalog Number:

10867-2-AP

Size:

550 µg/ml

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 µg 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

For technical support and original validation data for this product please contact:

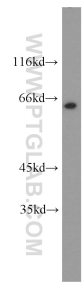
T: 4006900926

E: Proteintech-CN@ptglab.com

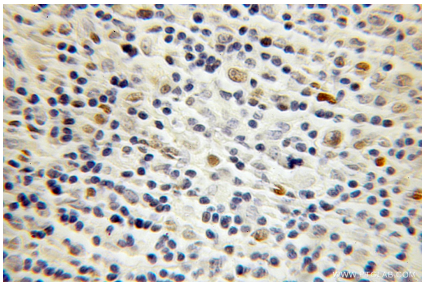
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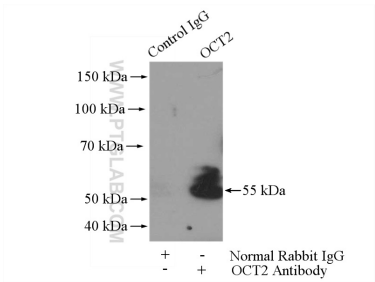
Selected Validation Data



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.