

For Research Use Only

# OCT2-Specific Polyclonal antibody

Catalog Number:18996-1-AP

Featured Product

6 Publications



## Basic Information

### Catalog Number:

18996-1-AP

### Size:

500 µg/ml

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

NM\_002698

### GeneID (NCBI):

5452

### UNIPROT ID:

P09086

### Full Name:

POU class 2 homeobox 2

### Calculated MW:

62 kDa

### Observed MW:

52-66 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:200

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IHC

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

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

### Positive Controls:

**WB** : mouse thymus tissue, human brain tissue, human spleen tissue, mouse kidney tissue, Raji cells

**IHC** : human spleen tissue,

## Background Information

OCT2, also named as POU2F2 and OTF2, belongs to the POU transcription factor family and Class-2 subfamily. OCT2 is a transcription factor that specifically binds to the octamer motif (5'-ATTGTCAT-3'). OCT2 regulates transcription in a number of tissues in addition to activating immunoglobulin gene expression. It modulates transcription transactivation by NR3C1, AR and PGR. Isoform 5 activates the U2 small nuclear RNA (snRNA) promoter. The antibody is specific to OCT2. OCT2 can be detected 52-66 kDa (PMID: 15377492, PMID: 34010659).

## Notable Publications

| Author     | Pubmed ID | Journal     | Application |
|------------|-----------|-------------|-------------|
| Lixiu Xu   | 35616137  | Int J Oncol | WB,IHC      |
| Qipeng Xie | 30935821  | Mol Ther    | WB          |
| Jiagen Wen | 26534724  | Age (Dordr) | WB          |

## 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:

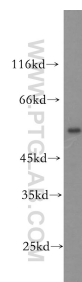
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

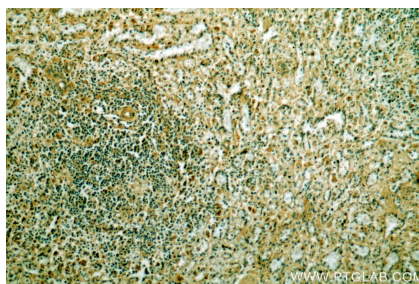
W: [ptgcn.com](http://ptgcn.com)

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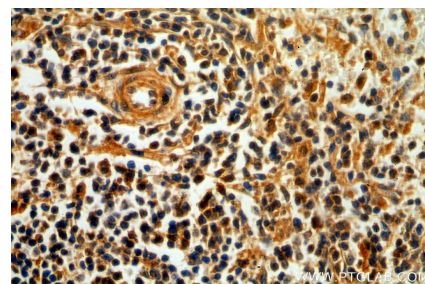
## Selected Validation Data



mouse thymus tissue were subjected to SDS PAGE followed by western blot with 18996-1-AP (OCT2-Specific antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human spleen using 18996-1-AP (OCT2-Specific antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human spleen using 18996-1-AP (OCT2-Specific antibody) at dilution of 1:100 (under 40x lens).