

For Research Use Only

# OCT2-Specific Polyclonal antibody

Catalog Number: 18996-1-AP

Featured Product

5 Publications



## Basic Information

<b>Catalog Number:</b> 18996-1-AP	<b>GenBank Accession Number:</b> NM_002698	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 500 µg/ml by Nanodrop and 340 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 5452	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>Full Name:</b> POU class 2 homeobox 2	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 62 kDa	
	<b>Observed MW:</b> 55 kDa	

## Applications

**Tested Applications:**  
IHC, WB, ELISA

**Cited Applications:**  
IHC, WB

**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.

## 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

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

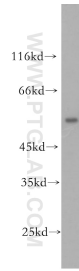
For technical support and original validation data for this product please contact:

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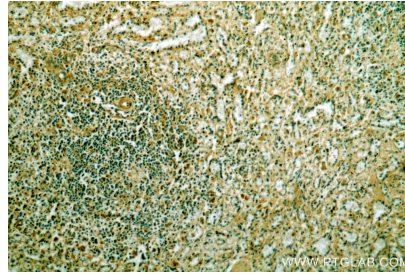
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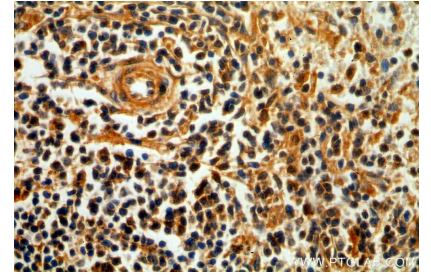
## Selected Validation Data



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).