

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:

150ul , Concentration: 500 ug/ml by Nanodrop and 340 ug/ml by Bradford method using BSA as the standard;

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

*** 20ul sizes contain 0.1% BSA

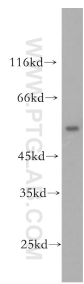
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

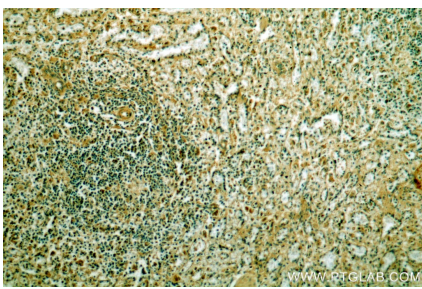
E: proteintech@ptglab.com
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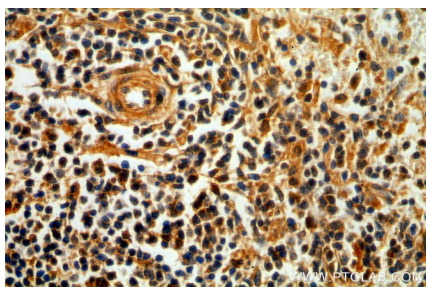
Selected Validation Data



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).