

For Research Use Only

OCT2-Specific Polyclonal antibody

Catalog Number: 18996-1-AP

Featured Product

5 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:

IHC, WB, 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'-ATTTCAT-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:

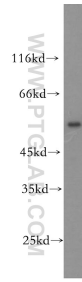
T: 4006900926

E: Proteintech-CN@ptglab.com

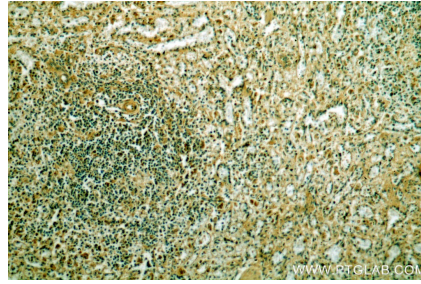
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

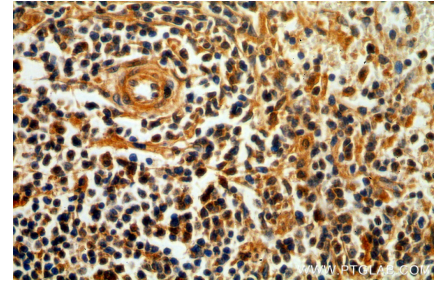
Selected Validation Data



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).