

For Research Use Only

OCT2 Polyclonal antibody

Catalog Number: 10867-2-AP



Basic Information

Catalog Number: 10867-2-AP	GenBank Accession Number: BC006101	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 550 µg/ml by Nanodrop and 367 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5452	Recommended Dilutions: WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
Source: Rabbit	Full Name: POU class 2 homeobox 2	Calculated MW: 44 kDa
Isotype: IgG	Observed MW: 55 kDa	IHC 1:20-1:200
Immunogen Catalog Number: AG0955		

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls: WB : NIH/3T3 cells, mouse ovary tissue
Species Specificity: human, mouse	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.

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

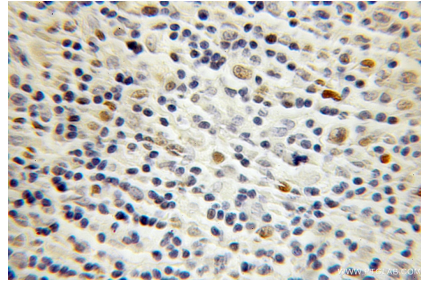
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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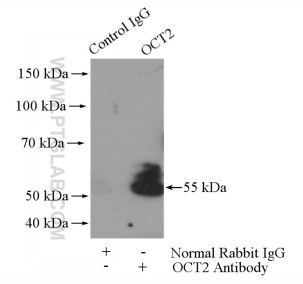
Selected Validation Data



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.