

Oct-1 Rabbit mAb

Catalog No: #49901

Package Size: #49901-1 50ul #49901-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

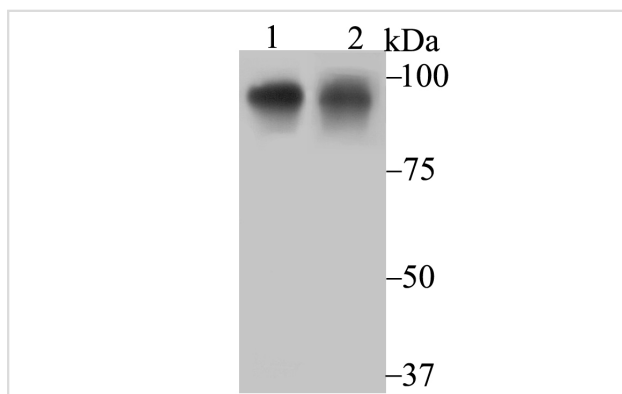
Product Name	Oct-1 Rabbit mAb
Clone No.	JG62-35
Purification	ProA affinity purified
Applications	WB,IHC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein within human Oct-1 aa 1-150.
Other Names	FLJ42836 antibody NF A1 antibody NF-A1 antibody Oct 1 antibody Oct 1B antibody Oct-1 antibody OCT1 antibody Octamer binding protein 1 antibody Octamer binding transcription factor 1 antibody Octamer-binding protein 1 antibody Octamer-binding transcription factor 1 antibody OTF 1 antibody OTF-1 antibody OTF1 antibody OTTHUMP00000032348 antibody OTTHUMP00000032350 antibody OTTHUMP00000032351 antibody PO21 antibody PO2F1 antibody PO2F1_HUMAN antibody POU class 2 homeobox 1 antibody POU domain class 2 transcription factor 1 antibody POU domain, class 2, transcription factor 1 antibody POU2F1 antibody
Accession No.	Swiss-Prot#:P14859
Uniprot	P14859
GeneID	5451;
Calculated MW	Predicted band size 76 kDa
Concentration	1 mg/ml
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

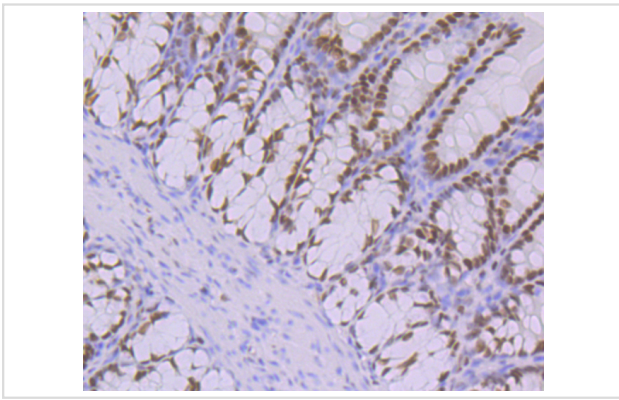
WB: 1:500-1:2,000

IHC: 1:50-1:200

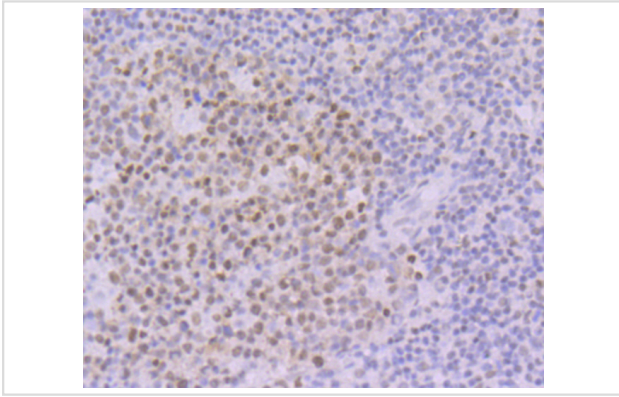
Images



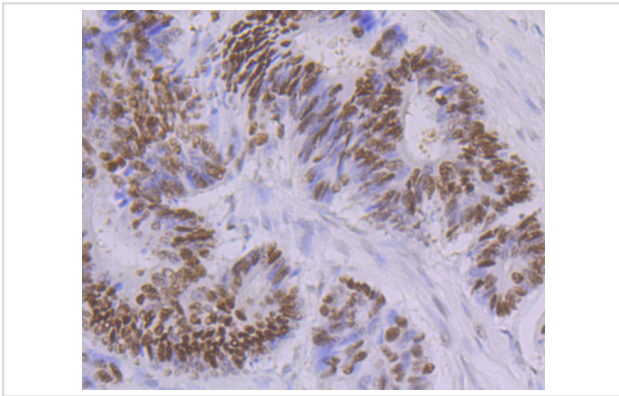
Western blot analysis of Oct-1 on SH-SY-5Y cell (1) and A431 cell (2) lysate using anti-Oct-1 antibody at 1/1,000 dilution.



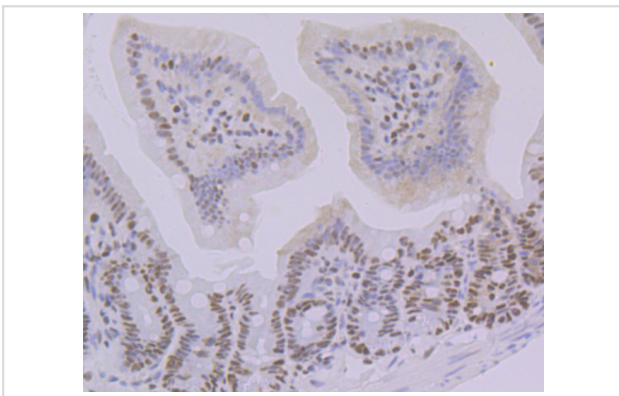
Immunohistochemical analysis of paraffin-embedded rat large intestine tissue using anti-Oct-1 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-Oct-1 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-Oct-1 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse colon tissue using anti-Oct-1 antibody. Counter stained with hematoxylin.

Background

POU domain proteins contain a bipartite DNA binding domain divided by a flexible linker that enables them to adopt various monomer configurations on DNA. The versatility of POU protein operation is additionally conferred at the dimerization level. The POU dimer from the Oct-1 gene formed on the palindromic Oct factor-recognition element (PORE), which is comprised of an inverted pair of homeodomain-binding sites separated by exactly 5 bp (ATTGAAATGCAAAT), could recruit the transcriptional co-activator OBF1. Studies of tissue-specific expression of immunoglobulin promoters demonstrate the importance of an octamer, ATTTGCAT, and the proteins that bind to it. This is a regulatory element important for tissue- and cell-specific transcription, as well as for transcription of a number of housekeeping genes. The Oct-1 gene encodes one protein, NF-A1, which is found in nuclear extracts from all cell types and thus is not specific to lymphoid cells as is the protein NF-A2, which is encoded by the Oct-2 gene.

Note: This product is for in vitro research use only